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Based on the previous libraries:

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cap.lbr
cap-fe.lbr
captant.lbr
polcap.lbr
ipc-smd.lbr

All SMD packages are defined according to the IPC specifications and
CECC<p>
<author>Created by librarian@cadsoft.de</author><p>
<p>
for Electrolyt Capacitors see also :<p>
www.bccomponents.com <p>
www.panasonic.com<p>
www.kemet.com<p>
http://www.secc.co.jp/pdf/os_e/2004/e_os_all.pdf (SANYO)
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for trimmer refence see :
<u>www.electrospec-inc.com/cross_references/trimpotcrossref.asp</
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layer="39"/>
<smd name="1" x="-1.499" y="0" dx="1.8" dy="1.8" layer="1"/>
<smd name="2" x="1.499" y="0" dx="1.8" dy="1.8" layer="1"/>
<text x="-2.54" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-2.54" y="-3.175" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.651" y1="-1.3081" x2="-0.9009" y2="1.2918" layer="51"/>
<rectangle x1="0.9144" y1="-1.3081" x2="1.6645" y2="1.2918" layer="51"/>
<rectangle x1="-0.3" y1="-0.8001" x2="0.3" y2="0.8001" layer="35"/>
</package>
<package name="R2010" urn="urn:adsk.eagle:footprint:23051/1"
library_version="11">
<description>RESISTOR</description>
<wire x1="-1.662" y1="1.245" x2="1.662" y2="1.245" width="0.1524"
layer="51"/>
<wire x1="-1.637" y1="-1.245" x2="1.687" y2="-1.245" width="0.1524"
layer="51"/>

<wire x1="-3.473" y1="1.483" x2="3.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="3.473" y1="1.483" x2="3.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="3.473" y1="-1.483" x2="-3.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="-3.473" y1="-1.483" x2="-3.473" y2="1.483" width="0.0508"
layer="39"/>
<smd name="1" x="-2.2" y="0" dx="1.8" dy="2.7" layer="1"/>
<smd name="2" x="2.2" y="0" dx="1.8" dy="2.7" layer="1"/>
<text x="-3.175" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-3.175" y="-3.175" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-2.4892" y1="-1.3208" x2="-1.6393" y2="1.3292" layer="51"/>
<rectangle x1="1.651" y1="-1.3208" x2="2.5009" y2="1.3292" layer="51"/>
</package>
<package name="R2010W" urn="urn:adsk.eagle:footprint:23052/1"
library_version="11">
<description>RESISTOR<p>
wave soldering</description>
<wire x1="-1.662" y1="1.245" x2="1.662" y2="1.245" width="0.1524"
layer="51"/>
<wire x1="-1.637" y1="-1.245" x2="1.687" y2="-1.245" width="0.1524"
layer="51"/>
<wire x1="-3.473" y1="1.483" x2="3.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="3.473" y1="1.483" x2="3.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="3.473" y1="-1.483" x2="-3.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="-3.473" y1="-1.483" x2="-3.473" y2="1.483" width="0.0508"
layer="39"/>
<smd name="1" x="-2.311" y="0" dx="2" dy="1.8" layer="1"/>
<smd name="2" x="2.311" y="0" dx="2" dy="1.8" layer="1"/>
<text x="-2.54" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-2.54" y="-3.175" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-2.4892" y1="-1.3208" x2="-1.6393" y2="1.3292" layer="51"/>
<rectangle x1="1.651" y1="-1.3208" x2="2.5009" y2="1.3292" layer="51"/>
</package>
<package name="R2012" urn="urn:adsk.eagle:footprint:23053/1"
library_version="11">
<description>RESISTOR</description>
<wire x1="-0.41" y1="0.635" x2="0.41" y2="0.635" width="0.1524"
layer="51"/>
<wire x1="-0.41" y1="-0.635" x2="0.41" y2="-0.635" width="0.1524"
layer="51"/>
<wire x1="-1.973" y1="0.983" x2="1.973" y2="0.983" width="0.0508"
layer="39"/>

<wire x1="1.973" y1="0.983" x2="1.973" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="1.973" y1="-0.983" x2="-1.973" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="-1.973" y1="-0.983" x2="-1.973" y2="0.983" width="0.0508"
layer="39"/>
<smd name="1" x="-0.85" y="0" dx="1.3" dy="1.5" layer="1"/>
<smd name="2" x="0.85" y="0" dx="1.3" dy="1.5" layer="1"/>
<text x="-0.635" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-0.635" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="0.4064" y1="-0.6985" x2="1.0564" y2="0.7015" layer="51"/>
<rectangle x1="-1.0668" y1="-0.6985" x2="-0.4168" y2="0.7015" layer="51"/>
<rectangle x1="-0.1001" y1="-0.5999" x2="0.1001" y2="0.5999" layer="35"/>
</package>
<package name="R2012W" urn="urn:adsk.eagle:footprint:23054/1"
library_version="11">
<description>RESISTOR<p>
wave soldering</description>
<wire x1="-0.41" y1="0.635" x2="0.41" y2="0.635" width="0.1524"
layer="51"/>
<wire x1="-0.41" y1="-0.635" x2="0.41" y2="-0.635" width="0.1524"
layer="51"/>
<wire x1="-1.973" y1="0.983" x2="1.973" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="1.973" y1="0.983" x2="1.973" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="1.973" y1="-0.983" x2="-1.973" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="-1.973" y1="-0.983" x2="-1.973" y2="0.983" width="0.0508"
layer="39"/>
<smd name="1" x="-0.94" y="0" dx="1.5" dy="1" layer="1"/>
<smd name="2" x="0.94" y="0" dx="1.5" dy="1" layer="1"/>
<text x="-0.635" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-0.635" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="0.4064" y1="-0.6985" x2="1.0564" y2="0.7015" layer="51"/>
<rectangle x1="-1.0668" y1="-0.6985" x2="-0.4168" y2="0.7015" layer="51"/>
<rectangle x1="-0.1001" y1="-0.5999" x2="0.1001" y2="0.5999" layer="35"/>
</package>
<package name="R2512" urn="urn:adsk.eagle:footprint:23055/1"
library_version="11">
<description>RESISTOR</description>
<wire x1="-2.362" y1="1.473" x2="2.387" y2="1.473" width="0.1524"
layer="51"/>
<wire x1="-2.362" y1="-1.473" x2="2.387" y2="-1.473" width="0.1524"
layer="51"/>
<wire x1="-3.973" y1="1.983" x2="3.973" y2="1.983" width="0.0508"
layer="39"/>

<wire x1="3.973" y1="1.983" x2="3.973" y2="-1.983" width="0.0508"
layer="39"/>
<wire x1="3.973" y1="-1.983" x2="-3.973" y2="-1.983" width="0.0508"
layer="39"/>
<wire x1="-3.973" y1="-1.983" x2="-3.973" y2="1.983" width="0.0508"
layer="39"/>
<smd name="1" x="-2.8" y="0" dx="1.8" dy="3.2" layer="1"/>
<smd name="2" x="2.8" y="0" dx="1.8" dy="3.2" layer="1"/>
<text x="-2.54" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-2.54" y="-3.175" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-3.2004" y1="-1.5494" x2="-2.3505" y2="1.5507" layer="51"/>
<rectangle x1="2.3622" y1="-1.5494" x2="3.2121" y2="1.5507" layer="51"/>
<rectangle x1="-0.5001" y1="-1" x2="0.5001" y2="1" layer="35"/>
</package>
<package name="R2512W" urn="urn:adsk.eagle:footprint:23056/1"
library_version="11">
<description>RESISTOR<p>
wave soldering</description>
<wire x1="-2.362" y1="1.473" x2="2.387" y2="1.473" width="0.1524"
layer="51"/>
<wire x1="-2.362" y1="-1.473" x2="2.387" y2="-1.473" width="0.1524"
layer="51"/>
<wire x1="-3.973" y1="1.983" x2="3.973" y2="1.983" width="0.0508"
layer="39"/>
<wire x1="3.973" y1="1.983" x2="3.973" y2="-1.983" width="0.0508"
layer="39"/>
<wire x1="3.973" y1="-1.983" x2="-3.973" y2="-1.983" width="0.0508"
layer="39"/>
<wire x1="-3.973" y1="-1.983" x2="-3.973" y2="1.983" width="0.0508"
layer="39"/>
<smd name="1" x="-2.896" y="0" dx="2" dy="2.1" layer="1"/>
<smd name="2" x="2.896" y="0" dx="2" dy="2.1" layer="1"/>
<text x="-1.905" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-1.905" y="-3.175" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-3.2004" y1="-1.5494" x2="-2.3505" y2="1.5507" layer="51"/>
<rectangle x1="2.3622" y1="-1.5494" x2="3.2121" y2="1.5507" layer="51"/>
<rectangle x1="-0.5001" y1="-1" x2="0.5001" y2="1" layer="35"/>
</package>
<package name="R3216" urn="urn:adsk.eagle:footprint:23057/1"
library_version="11">
<description>RESISTOR</description>
<wire x1="-0.913" y1="0.8" x2="0.888" y2="0.8" width="0.1524" layer="51"/>
<wire x1="-0.913" y1="-0.8" x2="0.888" y2="-0.8" width="0.1524"
layer="51"/>
<wire x1="-2.473" y1="0.983" x2="2.473" y2="0.983" width="0.0508"
layer="39"/>

<wire x1="2.473" y1="0.983" x2="2.473" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="2.473" y1="-0.983" x2="-2.473" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="-2.473" y1="-0.983" x2="-2.473" y2="0.983" width="0.0508"
layer="39"/>
<smd name="1" x="-1.4" y="0" dx="1.6" dy="1.8" layer="1"/>
<smd name="2" x="1.4" y="0" dx="1.6" dy="1.8" layer="1"/>
<text x="-1.905" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-1.905" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.651" y1="-0.8763" x2="-0.9009" y2="0.8738" layer="51"/>
<rectangle x1="0.889" y1="-0.8763" x2="1.6391" y2="0.8738" layer="51"/>
<rectangle x1="-0.3" y1="-0.7" x2="0.3" y2="0.7" layer="35"/>
</package>
<package name="R3216W" urn="urn:adsk.eagle:footprint:23058/1"
library_version="11">
<description>RESISTOR<p>
wave soldering</description>
<wire x1="-0.913" y1="0.8" x2="0.888" y2="0.8" width="0.1524" layer="51"/>
<wire x1="-0.913" y1="-0.8" x2="0.888" y2="-0.8" width="0.1524"
layer="51"/>
<wire x1="-2.473" y1="0.983" x2="2.473" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="2.473" y1="0.983" x2="2.473" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="2.473" y1="-0.983" x2="-2.473" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="-2.473" y1="-0.983" x2="-2.473" y2="0.983" width="0.0508"
layer="39"/>
<smd name="1" x="-1.499" y="0" dx="1.8" dy="1.2" layer="1"/>
<smd name="2" x="1.499" y="0" dx="1.8" dy="1.2" layer="1"/>
<text x="-1.905" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-1.905" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.651" y1="-0.8763" x2="-0.9009" y2="0.8738" layer="51"/>
<rectangle x1="0.889" y1="-0.8763" x2="1.6391" y2="0.8738" layer="51"/>
<rectangle x1="-0.3" y1="-0.7" x2="0.3" y2="0.7" layer="35"/>
</package>
<package name="R3225" urn="urn:adsk.eagle:footprint:23059/1"
library_version="11">
<description>RESISTOR</description>
<wire x1="-0.913" y1="1.219" x2="0.939" y2="1.219" width="0.1524"
layer="51"/>
<wire x1="-0.913" y1="-1.219" x2="0.939" y2="-1.219" width="0.1524"
layer="51"/>
<wire x1="-2.473" y1="1.483" x2="2.473" y2="1.483" width="0.0508"
layer="39"/>

<wire x1="2.473" y1="1.483" x2="2.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="2.473" y1="-1.483" x2="-2.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="-2.473" y1="-1.483" x2="-2.473" y2="1.483" width="0.0508"
layer="39"/>
<smd name="1" x="-1.4" y="0" dx="1.6" dy="2.7" layer="1"/>
<smd name="2" x="1.4" y="0" dx="1.6" dy="2.7" layer="1"/>
<text x="-2.54" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-2.54" y="-3.175" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.651" y1="-1.3081" x2="-0.9009" y2="1.2918" layer="51"/>
<rectangle x1="0.9144" y1="-1.3081" x2="1.6645" y2="1.2918" layer="51"/>
<rectangle x1="-0.3" y1="-1" x2="0.3" y2="1" layer="35"/>
</package>
<package name="R3225W" urn="urn:adsk.eagle:footprint:23060/1"
library_version="11">
<description>RESISTOR<p>
wave soldering</description>
<wire x1="-0.913" y1="1.219" x2="0.939" y2="1.219" width="0.1524"
layer="51"/>
<wire x1="-0.913" y1="-1.219" x2="0.939" y2="-1.219" width="0.1524"
layer="51"/>
<wire x1="-2.473" y1="1.483" x2="2.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="2.473" y1="1.483" x2="2.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="2.473" y1="-1.483" x2="-2.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="-2.473" y1="-1.483" x2="-2.473" y2="1.483" width="0.0508"
layer="39"/>
<smd name="1" x="-1.499" y="0" dx="1.8" dy="1.8" layer="1"/>
<smd name="2" x="1.499" y="0" dx="1.8" dy="1.8" layer="1"/>
<text x="-1.905" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-1.905" y="-3.175" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.651" y1="-1.3081" x2="-0.9009" y2="1.2918" layer="51"/>
<rectangle x1="0.9144" y1="-1.3081" x2="1.6645" y2="1.2918" layer="51"/>
<rectangle x1="-0.3" y1="-1" x2="0.3" y2="1" layer="35"/>
</package>
<package name="R5025" urn="urn:adsk.eagle:footprint:23061/1"
library_version="11">
<description>RESISTOR</description>
<wire x1="-1.662" y1="1.245" x2="1.662" y2="1.245" width="0.1524"
layer="51"/>
<wire x1="-1.637" y1="-1.245" x2="1.687" y2="-1.245" width="0.1524"
layer="51"/>
<wire x1="-3.473" y1="1.483" x2="3.473" y2="1.483" width="0.0508"
layer="39"/>

<wire x1="3.473" y1="1.483" x2="3.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="3.473" y1="-1.483" x2="-3.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="-3.473" y1="-1.483" x2="-3.473" y2="1.483" width="0.0508"
layer="39"/>
<smd name="1" x="-2.2" y="0" dx="1.8" dy="2.7" layer="1"/>
<smd name="2" x="2.2" y="0" dx="1.8" dy="2.7" layer="1"/>
<text x="-3.175" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-3.175" y="-3.175" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-2.4892" y1="-1.3208" x2="-1.6393" y2="1.3292" layer="51"/>
<rectangle x1="1.651" y1="-1.3208" x2="2.5009" y2="1.3292" layer="51"/>
<rectangle x1="-0.5001" y1="-1" x2="0.5001" y2="1" layer="35"/>
</package>
<package name="R5025W" urn="urn:adsk.eagle:footprint:23062/1"
library_version="11">
<description>RESISTOR<p>
wave soldering</description>
<wire x1="-1.662" y1="1.245" x2="1.662" y2="1.245" width="0.1524"
layer="51"/>
<wire x1="-1.637" y1="-1.245" x2="1.687" y2="-1.245" width="0.1524"
layer="51"/>
<wire x1="-3.473" y1="1.483" x2="3.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="3.473" y1="1.483" x2="3.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="3.473" y1="-1.483" x2="-3.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="-3.473" y1="-1.483" x2="-3.473" y2="1.483" width="0.0508"
layer="39"/>
<smd name="1" x="-2.311" y="0" dx="2" dy="1.8" layer="1"/>
<smd name="2" x="2.311" y="0" dx="2" dy="1.8" layer="1"/>
<text x="-3.175" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-3.175" y="-3.175" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-2.4892" y1="-1.3208" x2="-1.6393" y2="1.3292" layer="51"/>
<rectangle x1="1.651" y1="-1.3208" x2="2.5009" y2="1.3292" layer="51"/>
<rectangle x1="-0.5001" y1="-1" x2="0.5001" y2="1" layer="35"/>
</package>
<package name="R6332" urn="urn:adsk.eagle:footprint:23063/1"
library_version="11">
<description>RESISTOR<p>
Source:
http://download.siliconexpert.com/pdfs/2005/02/24/Semi_Ap/2/VSH/Resistor/
dcrcwfre.pdf</description>
<wire x1="-2.362" y1="1.473" x2="2.387" y2="1.473" width="0.1524"
layer="51"/>

<wire x1="-2.362" y1="-1.473" x2="2.387" y2="-1.473" width="0.1524"
layer="51"/>
<wire x1="-3.973" y1="1.983" x2="3.973" y2="1.983" width="0.0508"
layer="39"/>
<wire x1="3.973" y1="1.983" x2="3.973" y2="-1.983" width="0.0508"
layer="39"/>
<wire x1="3.973" y1="-1.983" x2="-3.973" y2="-1.983" width="0.0508"
layer="39"/>
<wire x1="-3.973" y1="-1.983" x2="-3.973" y2="1.983" width="0.0508"
layer="39"/>
<smd name="1" x="-3.1" y="0" dx="1" dy="3.2" layer="1"/>
<smd name="2" x="3.1" y="0" dx="1" dy="3.2" layer="1"/>
<text x="-2.54" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-2.54" y="-3.175" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-3.2004" y1="-1.5494" x2="-2.3505" y2="1.5507" layer="51"/>
<rectangle x1="2.3622" y1="-1.5494" x2="3.2121" y2="1.5507" layer="51"/>
<rectangle x1="-0.5001" y1="-1" x2="0.5001" y2="1" layer="35"/>
</package>
<package name="R6332W" urn="urn:adsk.eagle:footprint:25646/1"
library_version="11">
<description>RESISTOR wave soldering<p>
Source:
http://download.siliconexpert.com/pdfs/2005/02/24/Semi_Ap/2/VSH/Resistor/
dcrcwfre.pdf</description>
<wire x1="-2.362" y1="1.473" x2="2.387" y2="1.473" width="0.1524"
layer="51"/>
<wire x1="-2.362" y1="-1.473" x2="2.387" y2="-1.473" width="0.1524"
layer="51"/>
<wire x1="-3.973" y1="1.983" x2="3.973" y2="1.983" width="0.0508"
layer="39"/>
<wire x1="3.973" y1="1.983" x2="3.973" y2="-1.983" width="0.0508"
layer="39"/>
<wire x1="3.973" y1="-1.983" x2="-3.973" y2="-1.983" width="0.0508"
layer="39"/>
<wire x1="-3.973" y1="-1.983" x2="-3.973" y2="1.983" width="0.0508"
layer="39"/>
<smd name="1" x="-3.196" y="0" dx="1.2" dy="3.2" layer="1"/>
<smd name="2" x="3.196" y="0" dx="1.2" dy="3.2" layer="1"/>
<text x="-2.54" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-2.54" y="-3.175" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-3.2004" y1="-1.5494" x2="-2.3505" y2="1.5507" layer="51"/>
<rectangle x1="2.3622" y1="-1.5494" x2="3.2121" y2="1.5507" layer="51"/>
<rectangle x1="-0.5001" y1="-1" x2="0.5001" y2="1" layer="35"/>
</package>
<package name="M0805" urn="urn:adsk.eagle:footprint:23065/1"
library_version="11">
<description>RESISTOR<p>

MELF 0.10 W</description>
<wire x1="-1.973" y1="0.983" x2="1.973" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="1.973" y1="-0.983" x2="-1.973" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="-1.973" y1="-0.983" x2="-1.973" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="1.973" y1="0.983" x2="1.973" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="0.7112" y1="0.635" x2="-0.7112" y2="0.635" width="0.1524"
layer="51"/>
<wire x1="0.7112" y1="-0.635" x2="-0.7112" y2="-0.635" width="0.1524"
layer="51"/>
<smd name="1" x="-0.95" y="0" dx="1.3" dy="1.6" layer="1"/>
<smd name="2" x="0.95" y="0" dx="1.3" dy="1.6" layer="1"/>
<text x="-1.27" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.0414" y1="-0.7112" x2="-0.6858" y2="0.7112" layer="51"/>
<rectangle x1="0.6858" y1="-0.7112" x2="1.0414" y2="0.7112" layer="51"/>
<rectangle x1="-0.1999" y1="-0.5999" x2="0.1999" y2="0.5999" layer="35"/>
</package>
<package name="M1206" urn="urn:adsk.eagle:footprint:23066/1"
library_version="11">
<description>RESISTOR<p>
MELF 0.25 W</description>
<wire x1="-2.473" y1="1.483" x2="2.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="2.473" y1="-1.483" x2="-2.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="-2.473" y1="-1.483" x2="-2.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="2.473" y1="1.483" x2="2.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="1.143" y1="0.8382" x2="-1.143" y2="0.8382" width="0.1524"
layer="51"/>
<wire x1="1.143" y1="-0.8382" x2="-1.143" y2="-0.8382" width="0.1524"
layer="51"/>
<smd name="1" x="-1.4" y="0" dx="1.6" dy="2" layer="1"/>
<smd name="2" x="1.4" y="0" dx="1.6" dy="2" layer="1"/>
<text x="-1.27" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.7018" y1="-0.9144" x2="-1.1176" y2="0.9144" layer="51"/>
<rectangle x1="1.1176" y1="-0.9144" x2="1.7018" y2="0.9144" layer="51"/>
<rectangle x1="-0.3" y1="-0.8001" x2="0.3" y2="0.8001" layer="35"/>
</package>
<package name="M1406" urn="urn:adsk.eagle:footprint:23067/1"
library_version="11">

<description>RESISTOR<p>
MELF 0.12 W</description>
<wire x1="-2.973" y1="0.983" x2="2.973" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="2.973" y1="-0.983" x2="-2.973" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="-2.973" y1="-0.983" x2="-2.973" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="2.973" y1="0.983" x2="2.973" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="1.3208" y1="0.762" x2="-1.3208" y2="0.762" width="0.1524"
layer="51"/>
<wire x1="1.3208" y1="-0.762" x2="-1.3208" y2="-0.762" width="0.1524"
layer="51"/>
<smd name="1" x="-1.7" y="0" dx="1.4" dy="1.8" layer="1"/>
<smd name="2" x="1.7" y="0" dx="1.4" dy="1.8" layer="1"/>
<text x="-1.27" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.8542" y1="-0.8382" x2="-1.2954" y2="0.8382" layer="51"/>
<rectangle x1="1.2954" y1="-0.8382" x2="1.8542" y2="0.8382" layer="51"/>
<rectangle x1="-0.3" y1="-0.7" x2="0.3" y2="0.7" layer="35"/>
</package>
<package name="M2012" urn="urn:adsk.eagle:footprint:23068/1"
library_version="11">
<description>RESISTOR<p>
MELF 0.10 W</description>
<wire x1="-1.973" y1="0.983" x2="1.973" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="1.973" y1="-0.983" x2="-1.973" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="-1.973" y1="-0.983" x2="-1.973" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="1.973" y1="0.983" x2="1.973" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="0.7112" y1="0.635" x2="-0.7112" y2="0.635" width="0.1524"
layer="51"/>
<wire x1="0.7112" y1="-0.635" x2="-0.7112" y2="-0.635" width="0.1524"
layer="51"/>
<smd name="1" x="-0.95" y="0" dx="1.3" dy="1.6" layer="1"/>
<smd name="2" x="0.95" y="0" dx="1.3" dy="1.6" layer="1"/>
<text x="-1.27" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.0414" y1="-0.7112" x2="-0.6858" y2="0.7112" layer="51"/>
<rectangle x1="0.6858" y1="-0.7112" x2="1.0414" y2="0.7112" layer="51"/>
<rectangle x1="-0.1999" y1="-0.5999" x2="0.1999" y2="0.5999" layer="35"/>
</package>

<package name="M2309" urn="urn:adsk.eagle:footprint:23069/1"
library_version="11">
<description>RESISTOR<p>
MELF 0.25 W</description>
<wire x1="-4.473" y1="1.483" x2="4.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="4.473" y1="-1.483" x2="-4.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="-4.473" y1="-1.483" x2="-4.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="4.473" y1="1.483" x2="4.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="2.413" y1="1.1684" x2="-2.4384" y2="1.1684" width="0.1524"
layer="51"/>
<wire x1="2.413" y1="-1.1684" x2="-2.413" y2="-1.1684" width="0.1524"
layer="51"/>
<smd name="1" x="-2.85" y="0" dx="1.5" dy="2.6" layer="1"/>
<smd name="2" x="2.85" y="0" dx="1.5" dy="2.6" layer="1"/>
<text x="-1.905" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-2.54" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-3.048" y1="-1.2446" x2="-2.3876" y2="1.2446" layer="51"/>
<rectangle x1="2.3876" y1="-1.2446" x2="3.048" y2="1.2446" layer="51"/>
<rectangle x1="-0.5001" y1="-1" x2="0.5001" y2="1" layer="35"/>
</package>
<package name="M3216" urn="urn:adsk.eagle:footprint:23070/1"
library_version="11">
<description>RESISTOR<p>
MELF 0.25 W</description>
<wire x1="-2.473" y1="1.483" x2="2.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="2.473" y1="-1.483" x2="-2.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="-2.473" y1="-1.483" x2="-2.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="2.473" y1="1.483" x2="2.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="1.143" y1="0.8382" x2="-1.143" y2="0.8382" width="0.1524"
layer="51"/>
<wire x1="1.143" y1="-0.8382" x2="-1.143" y2="-0.8382" width="0.1524"
layer="51"/>
<smd name="1" x="-1.4" y="0" dx="1.6" dy="2" layer="1"/>
<smd name="2" x="1.4" y="0" dx="1.6" dy="2" layer="1"/>
<text x="-1.27" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.7018" y1="-0.9144" x2="-1.1176" y2="0.9144" layer="51"/>
<rectangle x1="1.1176" y1="-0.9144" x2="1.7018" y2="0.9144" layer="51"/>
<rectangle x1="-0.3" y1="-0.8001" x2="0.3" y2="0.8001" layer="35"/>

</package>
<package name="M3516" urn="urn:adsk.eagle:footprint:23071/1"
library_version="11">
<description>RESISTOR<p>
MELF 0.12 W</description>
<wire x1="-2.973" y1="0.983" x2="2.973" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="2.973" y1="-0.983" x2="-2.973" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="-2.973" y1="-0.983" x2="-2.973" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="2.973" y1="0.983" x2="2.973" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="1.3208" y1="0.762" x2="-1.3208" y2="0.762" width="0.1524"
layer="51"/>
<wire x1="1.3208" y1="-0.762" x2="-1.3208" y2="-0.762" width="0.1524"
layer="51"/>
<smd name="1" x="-1.7" y="0" dx="1.4" dy="1.8" layer="1"/>
<smd name="2" x="1.7" y="0" dx="1.4" dy="1.8" layer="1"/>
<text x="-1.27" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.8542" y1="-0.8382" x2="-1.2954" y2="0.8382" layer="51"/>
<rectangle x1="1.2954" y1="-0.8382" x2="1.8542" y2="0.8382" layer="51"/>
<rectangle x1="-0.4001" y1="-0.7" x2="0.4001" y2="0.7" layer="35"/>
</package>
<package name="M5923" urn="urn:adsk.eagle:footprint:23072/1"
library_version="11">
<description>RESISTOR<p>
MELF 0.25 W</description>
<wire x1="-4.473" y1="1.483" x2="4.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="4.473" y1="-1.483" x2="-4.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="-4.473" y1="-1.483" x2="-4.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="4.473" y1="1.483" x2="4.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="2.413" y1="1.1684" x2="-2.4384" y2="1.1684" width="0.1524"
layer="51"/>
<wire x1="2.413" y1="-1.1684" x2="-2.413" y2="-1.1684" width="0.1524"
layer="51"/>
<smd name="1" x="-2.85" y="0" dx="1.5" dy="2.6" layer="1"/>
<smd name="2" x="2.85" y="0" dx="1.5" dy="2.6" layer="1"/>
<text x="-1.905" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-2.54" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-3.048" y1="-1.2446" x2="-2.3876" y2="1.2446" layer="51"/>
<rectangle x1="2.3876" y1="-1.2446" x2="3.048" y2="1.2446" layer="51"/>

<rectangle x1="-0.5001" y1="-1" x2="0.5001" y2="1" layer="35"/>
</package>
<package name="0204/5" urn="urn:adsk.eagle:footprint:22991/1"
library_version="11">
<description>RESISTOR<p>
type 0204, grid 5 mm</description>
<wire x1="2.54" y1="0" x2="2.032" y2="0" width="0.508" layer="51"/>
<wire x1="-2.54" y1="0" x2="-2.032" y2="0" width="0.508" layer="51"/>
<wire x1="-1.778" y1="0.635" x2="-1.524" y2="0.889" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-1.778" y1="-0.635" x2="-1.524" y2="-0.889" width="0.1524"
layer="21" curve="90"/>
<wire x1="1.524" y1="-0.889" x2="1.778" y2="-0.635" width="0.1524"
layer="21" curve="90"/>
<wire x1="1.524" y1="0.889" x2="1.778" y2="0.635" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-1.778" y1="-0.635" x2="-1.778" y2="0.635" width="0.1524"
layer="51"/>
<wire x1="-1.524" y1="0.889" x2="-1.27" y2="0.889" width="0.1524"
layer="21"/>
<wire x1="-1.143" y1="0.762" x2="-1.27" y2="0.889" width="0.1524"
layer="21"/>
<wire x1="-1.524" y1="-0.889" x2="-1.27" y2="-0.889" width="0.1524"
layer="21"/>
<wire x1="-1.143" y1="-0.762" x2="-1.27" y2="-0.889" width="0.1524"
layer="21"/>
<wire x1="1.143" y1="0.762" x2="1.27" y2="0.889" width="0.1524"
layer="21"/>
<wire x1="1.143" y1="0.762" x2="-1.143" y2="0.762" width="0.1524"
layer="21"/>
<wire x1="1.143" y1="-0.762" x2="1.27" y2="-0.889" width="0.1524"
layer="21"/>
<wire x1="1.143" y1="-0.762" x2="-1.143" y2="-0.762" width="0.1524"
layer="21"/>
<wire x1="1.524" y1="0.889" x2="1.27" y2="0.889" width="0.1524"
layer="21"/>
<wire x1="1.524" y1="-0.889" x2="1.27" y2="-0.889" width="0.1524"
layer="21"/>
<wire x1="1.778" y1="-0.635" x2="1.778" y2="0.635" width="0.1524"
layer="51"/>
<pad name="1" x="-2.54" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="0.8128" shape="octagon"/>
<text x="-2.0066" y="1.1684" size="0.9906" layer="25"
ratio="10">>NAME</text>
<text x="-2.1336" y="-2.3114" size="0.9906" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-2.032" y1="-0.254" x2="-1.778" y2="0.254" layer="51"/>

<rectangle x1="1.778" y1="-0.254" x2="2.032" y2="0.254" layer="51"/>
</package>
<package name="0204/7" urn="urn:adsk.eagle:footprint:22998/1"
library_version="11">
<description>RESISTOR<p>
type 0204, grid 7.5 mm</description>
<wire x1="3.81" y1="0" x2="2.921" y2="0" width="0.508" layer="51"/>
<wire x1="-3.81" y1="0" x2="-2.921" y2="0" width="0.508" layer="51"/>
<wire x1="-2.54" y1="0.762" x2="-2.286" y2="1.016" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.54" y1="-0.762" x2="-2.286" y2="-1.016" width="0.1524"
layer="21" curve="90"/>
<wire x1="2.286" y1="-1.016" x2="2.54" y2="-0.762" width="0.1524"
layer="21" curve="90"/>
<wire x1="2.286" y1="1.016" x2="2.54" y2="0.762" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.54" y1="-0.762" x2="-2.54" y2="0.762" width="0.1524"
layer="21"/>
<wire x1="-2.286" y1="1.016" x2="-1.905" y2="1.016" width="0.1524"
layer="21"/>
<wire x1="-1.778" y1="0.889" x2="-1.905" y2="1.016" width="0.1524"
layer="21"/>
<wire x1="-2.286" y1="-1.016" x2="-1.905" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="-1.778" y1="-0.889" x2="-1.905" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="1.778" y1="0.889" x2="1.905" y2="1.016" width="0.1524"
layer="21"/>
<wire x1="1.778" y1="0.889" x2="-1.778" y2="0.889" width="0.1524"
layer="21"/>
<wire x1="1.778" y1="-0.889" x2="1.905" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="1.778" y1="-0.889" x2="-1.778" y2="-0.889" width="0.1524"
layer="21"/>
<wire x1="2.286" y1="1.016" x2="1.905" y2="1.016" width="0.1524"
layer="21"/>
<wire x1="2.286" y1="-1.016" x2="1.905" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="2.54" y1="-0.762" x2="2.54" y2="0.762" width="0.1524"
layer="21"/>
<pad name="1" x="-3.81" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="3.81" y="0" drill="0.8128" shape="octagon"/>
<text x="-2.54" y="1.2954" size="0.9906" layer="25"
ratio="10">>NAME</text>
<text x="-1.6256" y="-0.4826" size="0.9906" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="2.54" y1="-0.254" x2="2.921" y2="0.254" layer="21"/>

<rectangle x1="-2.921" y1="-0.254" x2="-2.54" y2="0.254" layer="21"/>
</package>
<package name="0204V" urn="urn:adsk.eagle:footprint:22999/1"
library_version="11">
<description>RESISTOR<p>
type 0204, grid 2.5 mm</description>
<wire x1="-1.27" y1="0" x2="1.27" y2="0" width="0.508" layer="51"/>
<wire x1="-0.127" y1="0" x2="0.127" y2="0" width="0.508" layer="21"/>
<circle x="-1.27" y="0" radius="0.889" width="0.1524" layer="51"/>
<circle x="-1.27" y="0" radius="0.635" width="0.0508" layer="51"/>
<pad name="1" x="-1.27" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="-2.1336" y="1.1684" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.1336" y="-2.3114" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="0207/10" urn="urn:adsk.eagle:footprint:22992/1"
library_version="11">
<description>RESISTOR<p>
type 0207, grid 10 mm</description>
<wire x1="5.08" y1="0" x2="4.064" y2="0" width="0.6096" layer="51"/>
<wire x1="-5.08" y1="0" x2="-4.064" y2="0" width="0.6096" layer="51"/>
<wire x1="-3.175" y1="0.889" x2="-2.921" y2="1.143" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-3.175" y1="-0.889" x2="-2.921" y2="-1.143" width="0.1524"
layer="21" curve="90"/>
<wire x1="2.921" y1="-1.143" x2="3.175" y2="-0.889" width="0.1524"
layer="21" curve="90"/>
<wire x1="2.921" y1="1.143" x2="3.175" y2="0.889" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-3.175" y1="-0.889" x2="-3.175" y2="0.889" width="0.1524"
layer="21"/>
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layer="21"/>
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layer="21"/>
<wire x1="-2.413" y1="-1.016" x2="-2.54" y2="-1.143" width="0.1524"
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layer="21"/>

<wire x1="2.413" y1="-1.016" x2="-2.413" y2="-1.016" width="0.1524"
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layer="21"/>
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layer="21"/>
<pad name="1" x="-5.08" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="5.08" y="0" drill="0.8128" shape="octagon"/>
<text x="-3.048" y="1.524" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.2606" y="-0.635" size="1.27" layer="27"
ratio="10">>VALUE</text>
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<rectangle x1="-4.0386" y1="-0.3048" x2="-3.175" y2="0.3048" layer="21"/>
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<package name="0207/12" urn="urn:adsk.eagle:footprint:22993/1"
library_version="11">
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type 0207, grid 12 mm</description>
<wire x1="6.35" y1="0" x2="5.334" y2="0" width="0.6096" layer="51"/>
<wire x1="-6.35" y1="0" x2="-5.334" y2="0" width="0.6096" layer="51"/>
<wire x1="-3.175" y1="0.889" x2="-2.921" y2="1.143" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-3.175" y1="-0.889" x2="-2.921" y2="-1.143" width="0.1524"
layer="21" curve="90"/>
<wire x1="2.921" y1="-1.143" x2="3.175" y2="-0.889" width="0.1524"
layer="21" curve="90"/>
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layer="21" curve="-90"/>
<wire x1="-3.175" y1="-0.889" x2="-3.175" y2="0.889" width="0.1524"
layer="21"/>
<wire x1="-2.921" y1="1.143" x2="-2.54" y2="1.143" width="0.1524"
layer="21"/>
<wire x1="-2.413" y1="1.016" x2="-2.54" y2="1.143" width="0.1524"
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<wire x1="-2.921" y1="-1.143" x2="-2.54" y2="-1.143" width="0.1524"
layer="21"/>
<wire x1="-2.413" y1="-1.016" x2="-2.54" y2="-1.143" width="0.1524"
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layer="21"/>

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layer="21"/>
<wire x1="2.921" y1="1.143" x2="2.54" y2="1.143" width="0.1524"
layer="21"/>
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layer="21"/>
<wire x1="3.175" y1="-0.889" x2="3.175" y2="0.889" width="0.1524"
layer="21"/>
<wire x1="4.445" y1="0" x2="4.064" y2="0" width="0.6096" layer="21"/>
<wire x1="-4.445" y1="0" x2="-4.064" y2="0" width="0.6096" layer="21"/>
<pad name="1" x="-6.35" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="6.35" y="0" drill="0.8128" shape="octagon"/>
<text x="-3.175" y="1.397" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.286" y="-0.6858" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="3.175" y1="-0.3048" x2="4.0386" y2="0.3048" layer="21"/>
<rectangle x1="-4.0386" y1="-0.3048" x2="-3.175" y2="0.3048" layer="21"/>
<rectangle x1="4.445" y1="-0.3048" x2="5.3086" y2="0.3048" layer="21"/>
<rectangle x1="-5.3086" y1="-0.3048" x2="-4.445" y2="0.3048" layer="21"/>
</package>
<package name="0207/15" urn="urn:adsk.eagle:footprint:22997/1"
library_version="11">
<description>RESISTOR<p>
type 0207, grid 15mm</description>
<wire x1="7.62" y1="0" x2="6.604" y2="0" width="0.6096" layer="51"/>
<wire x1="-7.62" y1="0" x2="-6.604" y2="0" width="0.6096" layer="51"/>
<wire x1="-3.175" y1="0.889" x2="-2.921" y2="1.143" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-3.175" y1="-0.889" x2="-2.921" y2="-1.143" width="0.1524"
layer="21" curve="90"/>
<wire x1="2.921" y1="-1.143" x2="3.175" y2="-0.889" width="0.1524"
layer="21" curve="90"/>
<wire x1="2.921" y1="1.143" x2="3.175" y2="0.889" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-3.175" y1="-0.889" x2="-3.175" y2="0.889" width="0.1524"
layer="21"/>
<wire x1="-2.921" y1="1.143" x2="-2.54" y2="1.143" width="0.1524"
layer="21"/>
<wire x1="-2.413" y1="1.016" x2="-2.54" y2="1.143" width="0.1524"
layer="21"/>
<wire x1="-2.921" y1="-1.143" x2="-2.54" y2="-1.143" width="0.1524"
layer="21"/>
<wire x1="-2.413" y1="-1.016" x2="-2.54" y2="-1.143" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="1.016" x2="2.54" y2="1.143" width="0.1524"
layer="21"/>

<wire x1="2.413" y1="1.016" x2="-2.413" y2="1.016" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="-1.016" x2="2.54" y2="-1.143" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="-1.016" x2="-2.413" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="2.921" y1="1.143" x2="2.54" y2="1.143" width="0.1524"
layer="21"/>
<wire x1="2.921" y1="-1.143" x2="2.54" y2="-1.143" width="0.1524"
layer="21"/>
<wire x1="3.175" y1="-0.889" x2="3.175" y2="0.889" width="0.1524"
layer="21"/>
<wire x1="5.715" y1="0" x2="4.064" y2="0" width="0.6096" layer="21"/>
<wire x1="-5.715" y1="0" x2="-4.064" y2="0" width="0.6096" layer="21"/>
<pad name="1" x="-7.62" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="7.62" y="0" drill="0.8128" shape="octagon"/>
<text x="-3.175" y="1.397" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.286" y="-0.6858" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="3.175" y1="-0.3048" x2="4.0386" y2="0.3048" layer="21"/>
<rectangle x1="-4.0386" y1="-0.3048" x2="-3.175" y2="0.3048" layer="21"/>
<rectangle x1="5.715" y1="-0.3048" x2="6.5786" y2="0.3048" layer="21"/>
<rectangle x1="-6.5786" y1="-0.3048" x2="-5.715" y2="0.3048" layer="21"/>
</package>
<package name="0207/2V" urn="urn:adsk.eagle:footprint:22994/1"
library_version="11">
<description>RESISTOR<p>
type 0207, grid 2.5 mm</description>
<wire x1="-1.27" y1="0" x2="-0.381" y2="0" width="0.6096" layer="51"/>
<wire x1="-0.254" y1="0" x2="0.254" y2="0" width="0.6096" layer="21"/>
<wire x1="0.381" y1="0" x2="1.27" y2="0" width="0.6096" layer="51"/>
<circle x="-1.27" y="0" radius="1.27" width="0.1524" layer="21"/>
<circle x="-1.27" y="0" radius="1.016" width="0.1524" layer="51"/>
<pad name="1" x="-1.27" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="-0.0508" y="1.016" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-0.0508" y="-2.2352" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="0207/5V" urn="urn:adsk.eagle:footprint:22995/1"
library_version="11">
<description>RESISTOR<p>
type 0207, grid 5 mm</description>
<wire x1="-2.54" y1="0" x2="-0.889" y2="0" width="0.6096" layer="51"/>
<wire x1="-0.762" y1="0" x2="0.762" y2="0" width="0.6096" layer="21"/>

<wire x1="0.889" y1="0" x2="2.54" y2="0" width="0.6096" layer="51"/>
<circle x="-2.54" y="0" radius="1.27" width="0.1016" layer="21"/>
<circle x="-2.54" y="0" radius="1.016" width="0.1524" layer="51"/>
<pad name="1" x="-2.54" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="0.8128" shape="octagon"/>
<text x="-1.143" y="0.889" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-1.143" y="-2.159" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="0207/7" urn="urn:adsk.eagle:footprint:22996/1"
library_version="11">
<description>RESISTOR<p>
type 0207, grid 7.5 mm</description>
<wire x1="-3.81" y1="0" x2="-3.429" y2="0" width="0.6096" layer="51"/>
<wire x1="-3.175" y1="0.889" x2="-2.921" y2="1.143" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-3.175" y1="-0.889" x2="-2.921" y2="-1.143" width="0.1524"
layer="21" curve="90"/>
<wire x1="2.921" y1="-1.143" x2="3.175" y2="-0.889" width="0.1524"
layer="21" curve="90"/>
<wire x1="2.921" y1="1.143" x2="3.175" y2="0.889" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-3.175" y1="-0.889" x2="-3.175" y2="0.889" width="0.1524"
layer="51"/>
<wire x1="-2.921" y1="1.143" x2="-2.54" y2="1.143" width="0.1524"
layer="21"/>
<wire x1="-2.413" y1="1.016" x2="-2.54" y2="1.143" width="0.1524"
layer="21"/>
<wire x1="-2.921" y1="-1.143" x2="-2.54" y2="-1.143" width="0.1524"
layer="21"/>
<wire x1="-2.413" y1="-1.016" x2="-2.54" y2="-1.143" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="1.016" x2="2.54" y2="1.143" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="1.016" x2="-2.413" y2="1.016" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="-1.016" x2="2.54" y2="-1.143" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="-1.016" x2="-2.413" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="2.921" y1="1.143" x2="2.54" y2="1.143" width="0.1524"
layer="21"/>
<wire x1="2.921" y1="-1.143" x2="2.54" y2="-1.143" width="0.1524"
layer="21"/>
<wire x1="3.175" y1="-0.889" x2="3.175" y2="0.889" width="0.1524"
layer="51"/>

<wire x1="3.429" y1="0" x2="3.81" y2="0" width="0.6096" layer="51"/>
<pad name="1" x="-3.81" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="3.81" y="0" drill="0.8128" shape="octagon"/>
<text x="-2.54" y="1.397" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.286" y="-0.5588" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-3.429" y1="-0.3048" x2="-3.175" y2="0.3048" layer="51"/>
<rectangle x1="3.175" y1="-0.3048" x2="3.429" y2="0.3048" layer="51"/>
</package>
<package name="0309/10" urn="urn:adsk.eagle:footprint:23073/1"
library_version="11">
<description>RESISTOR<p>
type 0309, grid 10mm</description>
<wire x1="-4.699" y1="0" x2="-5.08" y2="0" width="0.6096" layer="51"/>
<wire x1="-4.318" y1="1.27" x2="-4.064" y2="1.524" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-4.318" y1="-1.27" x2="-4.064" y2="-1.524" width="0.1524"
layer="21" curve="90"/>
<wire x1="4.064" y1="-1.524" x2="4.318" y2="-1.27" width="0.1524"
layer="21" curve="90"/>
<wire x1="4.064" y1="1.524" x2="4.318" y2="1.27" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-4.318" y1="-1.27" x2="-4.318" y2="1.27" width="0.1524"
layer="51"/>
<wire x1="-4.064" y1="1.524" x2="-3.429" y2="1.524" width="0.1524"
layer="21"/>
<wire x1="-3.302" y1="1.397" x2="-3.429" y2="1.524" width="0.1524"
layer="21"/>
<wire x1="-4.064" y1="-1.524" x2="-3.429" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="-3.302" y1="-1.397" x2="-3.429" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="3.302" y1="1.397" x2="3.429" y2="1.524" width="0.1524"
layer="21"/>
<wire x1="3.302" y1="1.397" x2="-3.302" y2="1.397" width="0.1524"
layer="21"/>
<wire x1="3.302" y1="-1.397" x2="3.429" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="3.302" y1="-1.397" x2="-3.302" y2="-1.397" width="0.1524"
layer="21"/>
<wire x1="4.064" y1="1.524" x2="3.429" y2="1.524" width="0.1524"
layer="21"/>
<wire x1="4.064" y1="-1.524" x2="3.429" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="4.318" y1="-1.27" x2="4.318" y2="1.27" width="0.1524"
layer="51"/>

<wire x1="5.08" y1="0" x2="4.699" y2="0" width="0.6096" layer="51"/>
<pad name="1" x="-5.08" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="5.08" y="0" drill="0.8128" shape="octagon"/>
<text x="-4.191" y="1.905" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.175" y="-0.6858" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-4.6228" y1="-0.3048" x2="-4.318" y2="0.3048" layer="51"/>
<rectangle x1="4.318" y1="-0.3048" x2="4.6228" y2="0.3048" layer="51"/>
</package>
<package name="0309/12" urn="urn:adsk.eagle:footprint:23074/1"
library_version="11">
<description>RESISTOR<p>
type 0309, grid 12.5 mm</description>
<wire x1="6.35" y1="0" x2="5.08" y2="0" width="0.6096" layer="51"/>
<wire x1="-6.35" y1="0" x2="-5.08" y2="0" width="0.6096" layer="51"/>
<wire x1="-4.318" y1="1.27" x2="-4.064" y2="1.524" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-4.318" y1="-1.27" x2="-4.064" y2="-1.524" width="0.1524"
layer="21" curve="90"/>
<wire x1="4.064" y1="-1.524" x2="4.318" y2="-1.27" width="0.1524"
layer="21" curve="90"/>
<wire x1="4.064" y1="1.524" x2="4.318" y2="1.27" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-4.318" y1="-1.27" x2="-4.318" y2="1.27" width="0.1524"
layer="21"/>
<wire x1="-4.064" y1="1.524" x2="-3.429" y2="1.524" width="0.1524"
layer="21"/>
<wire x1="-3.302" y1="1.397" x2="-3.429" y2="1.524" width="0.1524"
layer="21"/>
<wire x1="-4.064" y1="-1.524" x2="-3.429" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="-3.302" y1="-1.397" x2="-3.429" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="3.302" y1="1.397" x2="3.429" y2="1.524" width="0.1524"
layer="21"/>
<wire x1="3.302" y1="1.397" x2="-3.302" y2="1.397" width="0.1524"
layer="21"/>
<wire x1="3.302" y1="-1.397" x2="3.429" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="3.302" y1="-1.397" x2="-3.302" y2="-1.397" width="0.1524"
layer="21"/>
<wire x1="4.064" y1="1.524" x2="3.429" y2="1.524" width="0.1524"
layer="21"/>
<wire x1="4.064" y1="-1.524" x2="3.429" y2="-1.524" width="0.1524"
layer="21"/>

<wire x1="4.318" y1="-1.27" x2="4.318" y2="1.27" width="0.1524"
layer="21"/>
<pad name="1" x="-6.35" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="6.35" y="0" drill="0.8128" shape="octagon"/>
<text x="-4.191" y="1.905" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.175" y="-0.6858" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="4.318" y1="-0.3048" x2="5.1816" y2="0.3048" layer="21"/>
<rectangle x1="-5.1816" y1="-0.3048" x2="-4.318" y2="0.3048" layer="21"/>
</package>
<package name="0309V" urn="urn:adsk.eagle:footprint:23075/1"
library_version="11">
<description>RESISTOR<p>
type 0309, grid 2.5 mm</description>
<wire x1="1.27" y1="0" x2="0.635" y2="0" width="0.6096" layer="51"/>
<wire x1="-0.635" y1="0" x2="-1.27" y2="0" width="0.6096" layer="51"/>
<circle x="-1.27" y="0" radius="1.524" width="0.1524" layer="21"/>
<circle x="-1.27" y="0" radius="0.762" width="0.1524" layer="51"/>
<pad name="1" x="-1.27" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="0.254" y="1.016" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="0.254" y="-2.2098" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="0.254" y1="-0.3048" x2="0.5588" y2="0.3048" layer="51"/>
<rectangle x1="-0.635" y1="-0.3048" x2="-0.3302" y2="0.3048" layer="51"/>
<rectangle x1="-0.3302" y1="-0.3048" x2="0.254" y2="0.3048" layer="21"/>
</package>
<package name="0411/12" urn="urn:adsk.eagle:footprint:23076/1"
library_version="11">
<description>RESISTOR<p>
type 0411, grid 12.5 mm</description>
<wire x1="6.35" y1="0" x2="5.461" y2="0" width="0.762" layer="51"/>
<wire x1="-6.35" y1="0" x2="-5.461" y2="0" width="0.762" layer="51"/>
<wire x1="5.08" y1="-1.651" x2="5.08" y2="1.651" width="0.1524"
layer="21"/>
<wire x1="4.699" y1="2.032" x2="5.08" y2="1.651" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-5.08" y1="-1.651" x2="-4.699" y2="-2.032" width="0.1524"
layer="21" curve="90"/>
<wire x1="4.699" y1="-2.032" x2="5.08" y2="-1.651" width="0.1524"
layer="21" curve="90"/>
<wire x1="-5.08" y1="1.651" x2="-4.699" y2="2.032" width="0.1524"
layer="21" curve="-90"/>
<wire x1="4.699" y1="2.032" x2="4.064" y2="2.032" width="0.1524"
layer="21"/>

<wire x1="3.937" y1="1.905" x2="4.064" y2="2.032" width="0.1524"
layer="21"/>
<wire x1="4.699" y1="-2.032" x2="4.064" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="3.937" y1="-1.905" x2="4.064" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="-3.937" y1="1.905" x2="-4.064" y2="2.032" width="0.1524"
layer="21"/>
<wire x1="-3.937" y1="1.905" x2="3.937" y2="1.905" width="0.1524"
layer="21"/>
<wire x1="-3.937" y1="-1.905" x2="-4.064" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="-3.937" y1="-1.905" x2="3.937" y2="-1.905" width="0.1524"
layer="21"/>
<wire x1="-5.08" y1="1.651" x2="-5.08" y2="-1.651" width="0.1524"
layer="21"/>
<wire x1="-4.699" y1="2.032" x2="-4.064" y2="2.032" width="0.1524"
layer="21"/>
<wire x1="-4.699" y1="-2.032" x2="-4.064" y2="-2.032" width="0.1524"
layer="21"/>
<pad name="1" x="-6.35" y="0" drill="0.9144" shape="octagon"/>
<pad name="2" x="6.35" y="0" drill="0.9144" shape="octagon"/>
<text x="-5.08" y="2.413" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.5814" y="-0.635" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-5.3594" y1="-0.381" x2="-5.08" y2="0.381" layer="21"/>
<rectangle x1="5.08" y1="-0.381" x2="5.3594" y2="0.381" layer="21"/>
</package>
<package name="0411/15" urn="urn:adsk.eagle:footprint:23077/1"
library_version="11">
<description>RESISTOR<p>
type 0411, grid 15 mm</description>
<wire x1="5.08" y1="-1.651" x2="5.08" y2="1.651" width="0.1524"
layer="21"/>
<wire x1="4.699" y1="2.032" x2="5.08" y2="1.651" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-5.08" y1="-1.651" x2="-4.699" y2="-2.032" width="0.1524"
layer="21" curve="90"/>
<wire x1="4.699" y1="-2.032" x2="5.08" y2="-1.651" width="0.1524"
layer="21" curve="90"/>
<wire x1="-5.08" y1="1.651" x2="-4.699" y2="2.032" width="0.1524"
layer="21" curve="-90"/>
<wire x1="4.699" y1="2.032" x2="4.064" y2="2.032" width="0.1524"
layer="21"/>
<wire x1="3.937" y1="1.905" x2="4.064" y2="2.032" width="0.1524"
layer="21"/>

<wire x1="4.699" y1="-2.032" x2="4.064" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="3.937" y1="-1.905" x2="4.064" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="-3.937" y1="1.905" x2="-4.064" y2="2.032" width="0.1524"
layer="21"/>
<wire x1="-3.937" y1="1.905" x2="3.937" y2="1.905" width="0.1524"
layer="21"/>
<wire x1="-3.937" y1="-1.905" x2="-4.064" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="-3.937" y1="-1.905" x2="3.937" y2="-1.905" width="0.1524"
layer="21"/>
<wire x1="-5.08" y1="1.651" x2="-5.08" y2="-1.651" width="0.1524"
layer="21"/>
<wire x1="-4.699" y1="2.032" x2="-4.064" y2="2.032" width="0.1524"
layer="21"/>
<wire x1="-4.699" y1="-2.032" x2="-4.064" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="-7.62" y1="0" x2="-6.35" y2="0" width="0.762" layer="51"/>
<wire x1="6.35" y1="0" x2="7.62" y2="0" width="0.762" layer="51"/>
<pad name="1" x="-7.62" y="0" drill="0.9144" shape="octagon"/>
<pad name="2" x="7.62" y="0" drill="0.9144" shape="octagon"/>
<text x="-5.08" y="2.413" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.5814" y="-0.635" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="5.08" y1="-0.381" x2="6.477" y2="0.381" layer="21"/>
<rectangle x1="-6.477" y1="-0.381" x2="-5.08" y2="0.381" layer="21"/>
</package>
<package name="0411V" urn="urn:adsk.eagle:footprint:23078/1"
library_version="11">
<description>RESISTOR<p>
type 0411, grid 3.81 mm</description>
<wire x1="1.27" y1="0" x2="0.3048" y2="0" width="0.762" layer="51"/>
<wire x1="-1.5748" y1="0" x2="-2.54" y2="0" width="0.762" layer="51"/>
<circle x="-2.54" y="0" radius="2.032" width="0.1524" layer="21"/>
<circle x="-2.54" y="0" radius="1.016" width="0.1524" layer="51"/>
<pad name="1" x="-2.54" y="0" drill="0.9144" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.9144" shape="octagon"/>
<text x="-0.508" y="1.143" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-0.5334" y="-2.413" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-1.4732" y1="-0.381" x2="0.2032" y2="0.381" layer="21"/>
</package>
<package name="0414/15" urn="urn:adsk.eagle:footprint:23079/1"
library_version="11">

<description>RESISTOR<p>
type 0414, grid 15 mm</description>
<wire x1="7.62" y1="0" x2="6.604" y2="0" width="0.8128" layer="51"/>
<wire x1="-7.62" y1="0" x2="-6.604" y2="0" width="0.8128" layer="51"/>
<wire x1="-6.096" y1="1.905" x2="-5.842" y2="2.159" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-6.096" y1="-1.905" x2="-5.842" y2="-2.159" width="0.1524"
layer="21" curve="90"/>
<wire x1="5.842" y1="-2.159" x2="6.096" y2="-1.905" width="0.1524"
layer="21" curve="90"/>
<wire x1="5.842" y1="2.159" x2="6.096" y2="1.905" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-6.096" y1="-1.905" x2="-6.096" y2="1.905" width="0.1524"
layer="21"/>
<wire x1="-5.842" y1="2.159" x2="-4.953" y2="2.159" width="0.1524"
layer="21"/>
<wire x1="-4.826" y1="2.032" x2="-4.953" y2="2.159" width="0.1524"
layer="21"/>
<wire x1="-5.842" y1="-2.159" x2="-4.953" y2="-2.159" width="0.1524"
layer="21"/>
<wire x1="-4.826" y1="-2.032" x2="-4.953" y2="-2.159" width="0.1524"
layer="21"/>
<wire x1="4.826" y1="2.032" x2="4.953" y2="2.159" width="0.1524"
layer="21"/>
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layer="21"/>
<wire x1="4.826" y1="-2.032" x2="4.953" y2="-2.159" width="0.1524"
layer="21"/>
<wire x1="4.826" y1="-2.032" x2="-4.826" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="5.842" y1="2.159" x2="4.953" y2="2.159" width="0.1524"
layer="21"/>
<wire x1="5.842" y1="-2.159" x2="4.953" y2="-2.159" width="0.1524"
layer="21"/>
<wire x1="6.096" y1="-1.905" x2="6.096" y2="1.905" width="0.1524"
layer="21"/>
<pad name="1" x="-7.62" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="7.62" y="0" drill="1.016" shape="octagon"/>
<text x="-6.096" y="2.5654" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-4.318" y="-0.5842" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="6.096" y1="-0.4064" x2="6.5024" y2="0.4064" layer="21"/>
<rectangle x1="-6.5024" y1="-0.4064" x2="-6.096" y2="0.4064" layer="21"/>
</package>
<package name="0414V" urn="urn:adsk.eagle:footprint:23080/1"
library_version="11">

<description>RESISTOR<p>
type 0414, grid 5 mm</description>
<wire x1="2.54" y1="0" x2="1.397" y2="0" width="0.8128" layer="51"/>
<wire x1="-2.54" y1="0" x2="-1.397" y2="0" width="0.8128" layer="51"/>
<circle x="-2.54" y="0" radius="2.159" width="0.1524" layer="21"/>
<circle x="-2.54" y="0" radius="1.143" width="0.1524" layer="51"/>
<pad name="1" x="-2.54" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="1.016" shape="octagon"/>
<text x="-0.381" y="1.1684" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-0.381" y="-2.3622" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-1.2954" y1="-0.4064" x2="1.2954" y2="0.4064" layer="21"/>
</package>
<package name="0617/17" urn="urn:adsk.eagle:footprint:23081/1"
library_version="11">
<description>RESISTOR<p>
type 0617, grid 17.5 mm</description>
<wire x1="-8.89" y1="0" x2="-8.636" y2="0" width="0.8128" layer="51"/>
<wire x1="-7.874" y1="3.048" x2="-6.985" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="2.794" x2="-6.985" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="-7.874" y1="-3.048" x2="-6.985" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="-2.794" x2="-6.985" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="6.731" y1="2.794" x2="6.985" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="6.731" y1="2.794" x2="-6.731" y2="2.794" width="0.1524"
layer="21"/>
<wire x1="6.731" y1="-2.794" x2="6.985" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="6.731" y1="-2.794" x2="-6.731" y2="-2.794" width="0.1524"
layer="21"/>
<wire x1="7.874" y1="3.048" x2="6.985" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="7.874" y1="-3.048" x2="6.985" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="-8.255" y1="-2.667" x2="-8.255" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="-8.255" y1="1.016" x2="-8.255" y2="-1.016" width="0.1524"
layer="51"/>
<wire x1="-8.255" y1="1.016" x2="-8.255" y2="2.667" width="0.1524"
layer="21"/>
<wire x1="8.255" y1="-2.667" x2="8.255" y2="-1.016" width="0.1524"
layer="21"/>

<wire x1="8.255" y1="1.016" x2="8.255" y2="-1.016" width="0.1524"
layer="51"/>
<wire x1="8.255" y1="1.016" x2="8.255" y2="2.667" width="0.1524"
layer="21"/>
<wire x1="8.636" y1="0" x2="8.89" y2="0" width="0.8128" layer="51"/>
<wire x1="-8.255" y1="2.667" x2="-7.874" y2="3.048" width="0.1524"
layer="21" curve="-90"/>
<wire x1="7.874" y1="3.048" x2="8.255" y2="2.667" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-8.255" y1="-2.667" x2="-7.874" y2="-3.048" width="0.1524"
layer="21" curve="90"/>
<wire x1="7.874" y1="-3.048" x2="8.255" y2="-2.667" width="0.1524"
layer="21" curve="90"/>
<pad name="1" x="-8.89" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="8.89" y="0" drill="1.016" shape="octagon"/>
<text x="-8.128" y="3.4544" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-6.096" y="-0.7112" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-8.5344" y1="-0.4064" x2="-8.2296" y2="0.4064" layer="51"/>
<rectangle x1="8.2296" y1="-0.4064" x2="8.5344" y2="0.4064" layer="51"/>
</package>
<package name="0617/22" urn="urn:adsk.eagle:footprint:23082/1"
library_version="11">
<description>RESISTOR<p>
type 0617, grid 22.5 mm</description>
<wire x1="-10.287" y1="0" x2="-11.43" y2="0" width="0.8128" layer="51"/>
<wire x1="-8.255" y1="-2.667" x2="-8.255" y2="2.667" width="0.1524"
layer="21"/>
<wire x1="-7.874" y1="3.048" x2="-6.985" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="2.794" x2="-6.985" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="-7.874" y1="-3.048" x2="-6.985" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="-2.794" x2="-6.985" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="6.731" y1="2.794" x2="6.985" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="6.731" y1="2.794" x2="-6.731" y2="2.794" width="0.1524"
layer="21"/>
<wire x1="6.731" y1="-2.794" x2="6.985" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="6.731" y1="-2.794" x2="-6.731" y2="-2.794" width="0.1524"
layer="21"/>
<wire x1="7.874" y1="3.048" x2="6.985" y2="3.048" width="0.1524"
layer="21"/>

<wire x1="7.874" y1="-3.048" x2="6.985" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="8.255" y1="-2.667" x2="8.255" y2="2.667" width="0.1524"
layer="21"/>
<wire x1="11.43" y1="0" x2="10.287" y2="0" width="0.8128" layer="51"/>
<wire x1="-8.255" y1="2.667" x2="-7.874" y2="3.048" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-8.255" y1="-2.667" x2="-7.874" y2="-3.048" width="0.1524"
layer="21" curve="90"/>
<wire x1="7.874" y1="3.048" x2="8.255" y2="2.667" width="0.1524"
layer="21" curve="-90"/>
<wire x1="7.874" y1="-3.048" x2="8.255" y2="-2.667" width="0.1524"
layer="21" curve="90"/>
<pad name="1" x="-11.43" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="11.43" y="0" drill="1.016" shape="octagon"/>
<text x="-8.255" y="3.4544" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-6.477" y="-0.5842" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-10.1854" y1="-0.4064" x2="-8.255" y2="0.4064" layer="21"/>
<rectangle x1="8.255" y1="-0.4064" x2="10.1854" y2="0.4064" layer="21"/>
</package>
<package name="0617V" urn="urn:adsk.eagle:footprint:23083/1"
library_version="11">
<description>RESISTOR<p>
type 0617, grid 5 mm</description>
<wire x1="-2.54" y1="0" x2="-1.27" y2="0" width="0.8128" layer="51"/>
<wire x1="1.27" y1="0" x2="2.54" y2="0" width="0.8128" layer="51"/>
<circle x="-2.54" y="0" radius="3.048" width="0.1524" layer="21"/>
<circle x="-2.54" y="0" radius="1.143" width="0.1524" layer="51"/>
<pad name="1" x="-2.54" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="1.016" shape="octagon"/>
<text x="0.635" y="1.4224" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="0.635" y="-2.6162" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-1.3208" y1="-0.4064" x2="1.3208" y2="0.4064" layer="21"/>
</package>
<package name="0922/22" urn="urn:adsk.eagle:footprint:23084/1"
library_version="11">
<description>RESISTOR<p>
type 0922, grid 22.5 mm</description>
<wire x1="11.43" y1="0" x2="10.795" y2="0" width="0.8128" layer="51"/>
<wire x1="-11.43" y1="0" x2="-10.795" y2="0" width="0.8128" layer="51"/>
<wire x1="-10.16" y1="-4.191" x2="-10.16" y2="4.191" width="0.1524"
layer="21"/>

<wire x1="-9.779" y1="4.572" x2="-8.89" y2="4.572" width="0.1524"
layer="21"/>
<wire x1="-8.636" y1="4.318" x2="-8.89" y2="4.572" width="0.1524"
layer="21"/>
<wire x1="-9.779" y1="-4.572" x2="-8.89" y2="-4.572" width="0.1524"
layer="21"/>
<wire x1="-8.636" y1="-4.318" x2="-8.89" y2="-4.572" width="0.1524"
layer="21"/>
<wire x1="8.636" y1="4.318" x2="8.89" y2="4.572" width="0.1524"
layer="21"/>
<wire x1="8.636" y1="4.318" x2="-8.636" y2="4.318" width="0.1524"
layer="21"/>
<wire x1="8.636" y1="-4.318" x2="8.89" y2="-4.572" width="0.1524"
layer="21"/>
<wire x1="8.636" y1="-4.318" x2="-8.636" y2="-4.318" width="0.1524"
layer="21"/>
<wire x1="9.779" y1="4.572" x2="8.89" y2="4.572" width="0.1524"
layer="21"/>
<wire x1="9.779" y1="-4.572" x2="8.89" y2="-4.572" width="0.1524"
layer="21"/>
<wire x1="10.16" y1="-4.191" x2="10.16" y2="4.191" width="0.1524"
layer="21"/>
<wire x1="-10.16" y1="-4.191" x2="-9.779" y2="-4.572" width="0.1524"
layer="21" curve="90"/>
<wire x1="-10.16" y1="4.191" x2="-9.779" y2="4.572" width="0.1524"
layer="21" curve="-90"/>
<wire x1="9.779" y1="-4.572" x2="10.16" y2="-4.191" width="0.1524"
layer="21" curve="90"/>
<wire x1="9.779" y1="4.572" x2="10.16" y2="4.191" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-11.43" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="11.43" y="0" drill="1.016" shape="octagon"/>
<text x="-10.16" y="5.1054" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-6.477" y="-0.5842" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-10.7188" y1="-0.4064" x2="-10.16" y2="0.4064" layer="51"/>
<rectangle x1="10.16" y1="-0.4064" x2="10.3124" y2="0.4064" layer="21"/>
<rectangle x1="-10.3124" y1="-0.4064" x2="-10.16" y2="0.4064" layer="21"/>
<rectangle x1="10.16" y1="-0.4064" x2="10.7188" y2="0.4064" layer="51"/>
</package>
<package name="P0613V" urn="urn:adsk.eagle:footprint:23085/1"
library_version="11">
<description>RESISTOR<p>
type 0613, grid 5 mm</description>
<wire x1="2.54" y1="0" x2="1.397" y2="0" width="0.8128" layer="51"/>
<wire x1="-2.54" y1="0" x2="-1.397" y2="0" width="0.8128" layer="51"/>

<circle x="-2.54" y="0" radius="2.286" width="0.1524" layer="21"/>
<circle x="-2.54" y="0" radius="1.143" width="0.1524" layer="51"/>
<pad name="1" x="-2.54" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="1.016" shape="octagon"/>
<text x="-0.254" y="1.143" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-0.254" y="-2.413" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-1.2954" y1="-0.4064" x2="1.3208" y2="0.4064" layer="21"/>
</package>
<package name="P0613/15" urn="urn:adsk.eagle:footprint:23086/1"
library_version="11">
<description>RESISTOR<p>
type 0613, grid 15 mm</description>
<wire x1="7.62" y1="0" x2="6.985" y2="0" width="0.8128" layer="51"/>
<wire x1="-7.62" y1="0" x2="-6.985" y2="0" width="0.8128" layer="51"/>
<wire x1="-6.477" y1="2.032" x2="-6.223" y2="2.286" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-6.477" y1="-2.032" x2="-6.223" y2="-2.286" width="0.1524"
layer="21" curve="90"/>
<wire x1="6.223" y1="-2.286" x2="6.477" y2="-2.032" width="0.1524"
layer="21" curve="90"/>
<wire x1="6.223" y1="2.286" x2="6.477" y2="2.032" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-6.223" y1="2.286" x2="-5.334" y2="2.286" width="0.1524"
layer="21"/>
<wire x1="-5.207" y1="2.159" x2="-5.334" y2="2.286" width="0.1524"
layer="21"/>
<wire x1="-6.223" y1="-2.286" x2="-5.334" y2="-2.286" width="0.1524"
layer="21"/>
<wire x1="-5.207" y1="-2.159" x2="-5.334" y2="-2.286" width="0.1524"
layer="21"/>
<wire x1="5.207" y1="2.159" x2="5.334" y2="2.286" width="0.1524"
layer="21"/>
<wire x1="5.207" y1="2.159" x2="-5.207" y2="2.159" width="0.1524"
layer="21"/>
<wire x1="5.207" y1="-2.159" x2="5.334" y2="-2.286" width="0.1524"
layer="21"/>
<wire x1="5.207" y1="-2.159" x2="-5.207" y2="-2.159" width="0.1524"
layer="21"/>
<wire x1="6.223" y1="2.286" x2="5.334" y2="2.286" width="0.1524"
layer="21"/>
<wire x1="6.223" y1="-2.286" x2="5.334" y2="-2.286" width="0.1524"
layer="21"/>
<wire x1="6.477" y1="-0.635" x2="6.477" y2="-2.032" width="0.1524"
layer="21"/>

<wire x1="6.477" y1="-0.635" x2="6.477" y2="0.635" width="0.1524"
layer="51"/>
<wire x1="6.477" y1="2.032" x2="6.477" y2="0.635" width="0.1524"
layer="21"/>
<wire x1="-6.477" y1="-2.032" x2="-6.477" y2="-0.635" width="0.1524"
layer="21"/>
<wire x1="-6.477" y1="0.635" x2="-6.477" y2="-0.635" width="0.1524"
layer="51"/>
<wire x1="-6.477" y1="0.635" x2="-6.477" y2="2.032" width="0.1524"
layer="21"/>
<pad name="1" x="-7.62" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="7.62" y="0" drill="1.016" shape="octagon"/>
<text x="-6.477" y="2.6924" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-4.318" y="-0.7112" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-7.0358" y1="-0.4064" x2="-6.477" y2="0.4064" layer="51"/>
<rectangle x1="6.477" y1="-0.4064" x2="7.0358" y2="0.4064" layer="51"/>
</package>
<package name="P0817/22" urn="urn:adsk.eagle:footprint:23087/1"
library_version="11">
<description>RESISTOR<p>
type 0817, grid 22.5 mm</description>
<wire x1="-10.414" y1="0" x2="-11.43" y2="0" width="0.8128" layer="51"/>
<wire x1="-8.509" y1="-3.429" x2="-8.509" y2="3.429" width="0.1524"
layer="21"/>
<wire x1="-8.128" y1="3.81" x2="-7.239" y2="3.81" width="0.1524"
layer="21"/>
<wire x1="-6.985" y1="3.556" x2="-7.239" y2="3.81" width="0.1524"
layer="21"/>
<wire x1="-8.128" y1="-3.81" x2="-7.239" y2="-3.81" width="0.1524"
layer="21"/>
<wire x1="-6.985" y1="-3.556" x2="-7.239" y2="-3.81" width="0.1524"
layer="21"/>
<wire x1="6.985" y1="3.556" x2="7.239" y2="3.81" width="0.1524"
layer="21"/>
<wire x1="6.985" y1="3.556" x2="-6.985" y2="3.556" width="0.1524"
layer="21"/>
<wire x1="6.985" y1="-3.556" x2="7.239" y2="-3.81" width="0.1524"
layer="21"/>
<wire x1="6.985" y1="-3.556" x2="-6.985" y2="-3.556" width="0.1524"
layer="21"/>
<wire x1="8.128" y1="3.81" x2="7.239" y2="3.81" width="0.1524"
layer="21"/>
<wire x1="8.128" y1="-3.81" x2="7.239" y2="-3.81" width="0.1524"
layer="21"/>

<wire x1="8.509" y1="-3.429" x2="8.509" y2="3.429" width="0.1524"
layer="21"/>
<wire x1="11.43" y1="0" x2="10.414" y2="0" width="0.8128" layer="51"/>
<wire x1="-8.509" y1="3.429" x2="-8.128" y2="3.81" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-8.509" y1="-3.429" x2="-8.128" y2="-3.81" width="0.1524"
layer="21" curve="90"/>
<wire x1="8.128" y1="3.81" x2="8.509" y2="3.429" width="0.1524"
layer="21" curve="-90"/>
<wire x1="8.128" y1="-3.81" x2="8.509" y2="-3.429" width="0.1524"
layer="21" curve="90"/>
<pad name="1" x="-11.43" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="11.43" y="0" drill="1.016" shape="octagon"/>
<text x="-8.382" y="4.2164" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-6.223" y="-0.5842" size="1.27" layer="27"
ratio="10">>VALUE</text>
<text x="6.604" y="-2.2606" size="1.27" layer="51" ratio="10"
rot="R90">0817</text>
<rectangle x1="8.509" y1="-0.4064" x2="10.3124" y2="0.4064" layer="21"/>
<rectangle x1="-10.3124" y1="-0.4064" x2="-8.509" y2="0.4064" layer="21"/>
</package>
<package name="P0817V" urn="urn:adsk.eagle:footprint:23088/1"
library_version="11">
<description>RESISTOR<p>
type 0817, grid 6.35 mm</description>
<wire x1="-3.81" y1="0" x2="-5.08" y2="0" width="0.8128" layer="51"/>
<wire x1="1.27" y1="0" x2="0" y2="0" width="0.8128" layer="51"/>
<circle x="-5.08" y="0" radius="3.81" width="0.1524" layer="21"/>
<circle x="-5.08" y="0" radius="1.27" width="0.1524" layer="51"/>
<pad name="1" x="-5.08" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="1.016" shape="octagon"/>
<text x="-1.016" y="1.27" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-1.016" y="-2.54" size="1.27" layer="27"
ratio="10">>VALUE</text>
<text x="-6.858" y="2.032" size="1.016" layer="21" ratio="12">0817</text>
<rectangle x1="-3.81" y1="-0.4064" x2="0" y2="0.4064" layer="21"/>
</package>
<package name="V234/12" urn="urn:adsk.eagle:footprint:23089/1"
library_version="11">
<description>RESISTOR<p>
type V234, grid 12.5 mm</description>
<wire x1="-4.953" y1="1.524" x2="-4.699" y2="1.778" width="0.1524"
layer="21" curve="-90"/>
<wire x1="4.699" y1="1.778" x2="4.953" y2="1.524" width="0.1524"
layer="21" curve="-90"/>

<wire x1="4.699" y1="-1.778" x2="4.953" y2="-1.524" width="0.1524"
layer="21" curve="90"/>
<wire x1="-4.953" y1="-1.524" x2="-4.699" y2="-1.778" width="0.1524"
layer="21" curve="90"/>
<wire x1="-4.699" y1="1.778" x2="4.699" y2="1.778" width="0.1524"
layer="21"/>
<wire x1="-4.953" y1="1.524" x2="-4.953" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="4.699" y1="-1.778" x2="-4.699" y2="-1.778" width="0.1524"
layer="21"/>
<wire x1="4.953" y1="1.524" x2="4.953" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="6.35" y1="0" x2="5.461" y2="0" width="0.8128" layer="51"/>
<wire x1="-6.35" y1="0" x2="-5.461" y2="0" width="0.8128" layer="51"/>
<pad name="1" x="-6.35" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="6.35" y="0" drill="1.016" shape="octagon"/>
<text x="-4.953" y="2.159" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.81" y="-0.635" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="4.953" y1="-0.4064" x2="5.4102" y2="0.4064" layer="21"/>
<rectangle x1="-5.4102" y1="-0.4064" x2="-4.953" y2="0.4064" layer="21"/>
</package>
<package name="V235/17" urn="urn:adsk.eagle:footprint:23090/1"
library_version="11">
<description>RESISTOR<p>
type V235, grid 17.78 mm</description>
<wire x1="-6.731" y1="2.921" x2="6.731" y2="2.921" width="0.1524"
layer="21"/>
<wire x1="-7.112" y1="2.54" x2="-7.112" y2="-2.54" width="0.1524"
layer="21"/>
<wire x1="6.731" y1="-2.921" x2="-6.731" y2="-2.921" width="0.1524"
layer="21"/>
<wire x1="7.112" y1="2.54" x2="7.112" y2="-2.54" width="0.1524"
layer="21"/>
<wire x1="8.89" y1="0" x2="7.874" y2="0" width="1.016" layer="51"/>
<wire x1="-7.874" y1="0" x2="-8.89" y2="0" width="1.016" layer="51"/>
<wire x1="-7.112" y1="-2.54" x2="-6.731" y2="-2.921" width="0.1524"
layer="21" curve="90"/>
<wire x1="6.731" y1="2.921" x2="7.112" y2="2.54" width="0.1524"
layer="21" curve="-90"/>
<wire x1="6.731" y1="-2.921" x2="7.112" y2="-2.54" width="0.1524"
layer="21" curve="90"/>
<wire x1="-7.112" y1="2.54" x2="-6.731" y2="2.921" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-8.89" y="0" drill="1.1938" shape="octagon"/>
<pad name="2" x="8.89" y="0" drill="1.1938" shape="octagon"/>

<text x="-6.858" y="3.302" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-5.842" y="-0.635" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="7.112" y1="-0.508" x2="7.747" y2="0.508" layer="21"/>
<rectangle x1="-7.747" y1="-0.508" x2="-7.112" y2="0.508" layer="21"/>
</package>
<package name="V526-0" urn="urn:adsk.eagle:footprint:23091/1"
library_version="11">
<description>RESISTOR<p>
type V526-0, grid 2.5 mm</description>
<wire x1="-2.54" y1="1.016" x2="-2.286" y2="1.27" width="0.1524"
layer="21" curve="-90"/>
<wire x1="2.286" y1="1.27" x2="2.54" y2="1.016" width="0.1524" layer="21"
curve="-90"/>
<wire x1="2.286" y1="-1.27" x2="2.54" y2="-1.016" width="0.1524"
layer="21" curve="90"/>
<wire x1="-2.54" y1="-1.016" x2="-2.286" y2="-1.27" width="0.1524"
layer="21" curve="90"/>
<wire x1="2.286" y1="1.27" x2="-2.286" y2="1.27" width="0.1524"
layer="21"/>
<wire x1="2.54" y1="-1.016" x2="2.54" y2="1.016" width="0.1524"
layer="21"/>
<wire x1="-2.286" y1="-1.27" x2="2.286" y2="-1.27" width="0.1524"
layer="21"/>
<wire x1="-2.54" y1="1.016" x2="-2.54" y2="-1.016" width="0.1524"
layer="21"/>
<pad name="1" x="-1.27" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="-2.413" y="1.651" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.413" y="-2.794" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="MINI_MELF-0102R" urn="urn:adsk.eagle:footprint:23092/1"
library_version="11">
<description>CECC Size RC2211 Reflow Soldering<p>
source Beyschlag</description>
<wire x1="-1" y1="-0.5" x2="1" y2="-0.5" width="0.2032" layer="51"/>
<wire x1="1" y1="-0.5" x2="1" y2="0.5" width="0.2032" layer="51"/>
<wire x1="1" y1="0.5" x2="-1" y2="0.5" width="0.2032" layer="51"/>
<wire x1="-1" y1="0.5" x2="-1" y2="-0.5" width="0.2032" layer="51"/>
<smd name="1" x="-0.9" y="0" dx="0.5" dy="1.3" layer="1"/>
<smd name="2" x="0.9" y="0" dx="0.5" dy="1.3" layer="1"/>
<text x="-1.27" y="0.9525" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.2225" size="1.27" layer="27">>VALUE</text>
</package>

<package name="MINI_MELF-0102W" urn="urn:adsk.eagle:footprint:23093/1" library_version="11">
<description>CECC Size RC2211 Wave Soldering<p> source Beyschlag</description>
<wire x1="-1" y1="-0.5" x2="1" y2="-0.5" width="0.2032" layer="51"/>
<wire x1="1" y1="-0.5" x2="1" y2="0.5" width="0.2032" layer="51"/>
<wire x1="1" y1="0.5" x2="-1" y2="0.5" width="0.2032" layer="51"/>
<wire x1="-1" y1="0.5" x2="-1" y2="-0.5" width="0.2032" layer="51"/>
<smd name="1" x="-0.95" y="0" dx="0.6" dy="1.3" layer="1"/>
<smd name="2" x="0.95" y="0" dx="0.6" dy="1.3" layer="1"/>
<text x="-1.27" y="0.9525" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.2225" size="1.27" layer="27">>VALUE</text>
</package>
<package name="MINI_MELF-0204R" urn="urn:adsk.eagle:footprint:25676/1" library_version="11">
<description>CECC Size RC3715 Reflow Soldering<p> source Beyschlag</description>
<wire x1="-1.7" y1="-0.6" x2="1.7" y2="-0.6" width="0.2032" layer="51"/>
<wire x1="1.7" y1="-0.6" x2="1.7" y2="0.6" width="0.2032" layer="51"/>
<wire x1="1.7" y1="0.6" x2="-1.7" y2="0.6" width="0.2032" layer="51"/>
<wire x1="-1.7" y1="0.6" x2="-1.7" y2="-0.6" width="0.2032" layer="51"/>
<wire x1="0.938" y1="0.6" x2="-0.938" y2="0.6" width="0.2032" layer="21"/>
<wire x1="-0.938" y1="-0.6" x2="0.938" y2="-0.6" width="0.2032" layer="21"/>
<smd name="1" x="-1.5" y="0" dx="0.8" dy="1.6" layer="1"/>
<smd name="2" x="1.5" y="0" dx="0.8" dy="1.6" layer="1"/>
<text x="-1.27" y="0.9525" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.2225" size="1.27" layer="27">>VALUE</text>
</package>
<package name="MINI_MELF-0204W" urn="urn:adsk.eagle:footprint:25677/1" library_version="11">
<description>CECC Size RC3715 Wave Soldering<p> source Beyschlag</description>
<wire x1="-1.7" y1="-0.6" x2="1.7" y2="-0.6" width="0.2032" layer="51"/>
<wire x1="1.7" y1="-0.6" x2="1.7" y2="0.6" width="0.2032" layer="51"/>
<wire x1="1.7" y1="0.6" x2="-1.7" y2="0.6" width="0.2032" layer="51"/>
<wire x1="-1.7" y1="0.6" x2="-1.7" y2="-0.6" width="0.2032" layer="51"/>
<wire x1="0.684" y1="0.6" x2="-0.684" y2="0.6" width="0.2032" layer="21"/>
<wire x1="-0.684" y1="-0.6" x2="0.684" y2="-0.6" width="0.2032" layer="21"/>
<smd name="1" x="-1.5" y="0" dx="1.2" dy="1.6" layer="1"/>
<smd name="2" x="1.5" y="0" dx="1.2" dy="1.6" layer="1"/>
<text x="-1.27" y="0.9525" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.2225" size="1.27" layer="27">>VALUE</text>
</package>
<package name="MINI_MELF-0207R" urn="urn:adsk.eagle:footprint:25678/1" library_version="11">

<description>CECC Size RC6123 Reflow Soldering<p>
source Beyschlag</description>
<wire x1="-2.8" y1="-1" x2="2.8" y2="-1" width="0.2032" layer="51"/>
<wire x1="2.8" y1="-1" x2="2.8" y2="1" width="0.2032" layer="51"/>
<wire x1="2.8" y1="1" x2="-2.8" y2="1" width="0.2032" layer="51"/>
<wire x1="-2.8" y1="1" x2="-2.8" y2="-1" width="0.2032" layer="51"/>
<wire x1="1.2125" y1="1" x2="-1.2125" y2="1" width="0.2032" layer="21"/>
<wire x1="-1.2125" y1="-1" x2="1.2125" y2="-1" width="0.2032" layer="21"/>
<smd name="1" x="-2.25" y="0" dx="1.6" dy="2.5" layer="1"/>
<smd name="2" x="2.25" y="0" dx="1.6" dy="2.5" layer="1"/>
<text x="-2.2225" y="1.5875" size="1.27" layer="25">>NAME</text>
<text x="-2.2225" y="-2.54" size="1.27" layer="27">>VALUE</text>
</package>
<package name="MINI_MELF-0207W" urn="urn:adsk.eagle:footprint:25679/1"
library_version="11">
<description>CECC Size RC6123 Wave Soldering<p>
source Beyschlag</description>
<wire x1="-2.8" y1="-1" x2="2.8" y2="-1" width="0.2032" layer="51"/>
<wire x1="2.8" y1="-1" x2="2.8" y2="1" width="0.2032" layer="51"/>
<wire x1="2.8" y1="1" x2="-2.8" y2="1" width="0.2032" layer="51"/>
<wire x1="-2.8" y1="1" x2="-2.8" y2="-1" width="0.2032" layer="51"/>
<wire x1="1.149" y1="1" x2="-1.149" y2="1" width="0.2032" layer="21"/>
<wire x1="-1.149" y1="-1" x2="1.149" y2="-1" width="0.2032" layer="21"/>
<smd name="1" x="-2.6" y="0" dx="2.4" dy="2.5" layer="1"/>
<smd name="2" x="2.6" y="0" dx="2.4" dy="2.5" layer="1"/>
<text x="-2.54" y="1.5875" size="1.27" layer="25">>NAME</text>
<text x="-2.54" y="-2.54" size="1.27" layer="27">>VALUE</text>
</package>
<package name="0922V" urn="urn:adsk.eagle:footprint:23098/1"
library_version="11">
<description>RESISTOR<p>
type 0922, grid 7.5 mm</description>
<wire x1="2.54" y1="0" x2="1.397" y2="0" width="0.8128" layer="51"/>
<wire x1="-5.08" y1="0" x2="-3.81" y2="0" width="0.8128" layer="51"/>
<circle x="-5.08" y="0" radius="4.572" width="0.1524" layer="21"/>
<circle x="-5.08" y="0" radius="1.905" width="0.1524" layer="21"/>
<pad name="1" x="-5.08" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="1.016" shape="octagon"/>
<text x="-0.508" y="1.6764" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-0.508" y="-2.9972" size="1.27" layer="27"
ratio="10">>VALUE</text>
<text x="-6.858" y="2.54" size="1.016" layer="21" ratio="12">0922</text>
<rectangle x1="-3.81" y1="-0.4064" x2="1.3208" y2="0.4064" layer="21"/>
</package>
<package name="RDH/15" urn="urn:adsk.eagle:footprint:23099/1"
library_version="11">

<description>RESISTOR<p>
type RDH, grid 15 mm</description>
<wire x1="-7.62" y1="0" x2="-6.858" y2="0" width="0.8128" layer="51"/>
<wire x1="-6.096" y1="3.048" x2="-5.207" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="-4.953" y1="2.794" x2="-5.207" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="-6.096" y1="-3.048" x2="-5.207" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="-4.953" y1="-2.794" x2="-5.207" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="4.953" y1="2.794" x2="5.207" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="4.953" y1="2.794" x2="-4.953" y2="2.794" width="0.1524"
layer="21"/>
<wire x1="4.953" y1="-2.794" x2="5.207" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="4.953" y1="-2.794" x2="-4.953" y2="-2.794" width="0.1524"
layer="21"/>
<wire x1="6.096" y1="3.048" x2="5.207" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="6.096" y1="-3.048" x2="5.207" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="-6.477" y1="-2.667" x2="-6.477" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="-6.477" y1="1.016" x2="-6.477" y2="-1.016" width="0.1524"
layer="51"/>
<wire x1="-6.477" y1="1.016" x2="-6.477" y2="2.667" width="0.1524"
layer="21"/>
<wire x1="6.477" y1="-2.667" x2="6.477" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="6.477" y1="1.016" x2="6.477" y2="-1.016" width="0.1524"
layer="51"/>
<wire x1="6.477" y1="1.016" x2="6.477" y2="2.667" width="0.1524"
layer="21"/>
<wire x1="6.858" y1="0" x2="7.62" y2="0" width="0.8128" layer="51"/>
<wire x1="-6.477" y1="2.667" x2="-6.096" y2="3.048" width="0.1524"
layer="21" curve="-90"/>
<wire x1="6.096" y1="3.048" x2="6.477" y2="2.667" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-6.477" y1="-2.667" x2="-6.096" y2="-3.048" width="0.1524"
layer="21" curve="90"/>
<wire x1="6.096" y1="-3.048" x2="6.477" y2="-2.667" width="0.1524"
layer="21" curve="90"/>
<pad name="1" x="-7.62" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="7.62" y="0" drill="1.016" shape="octagon"/>

<text x="-6.35" y="3.4544" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-4.318" y="-0.5842" size="1.27" layer="27"
ratio="10">>VALUE</text>
<text x="4.572" y="-1.7272" size="1.27" layer="51" ratio="10"
rot="R90">RDH</text>
<rectangle x1="-6.7564" y1="-0.4064" x2="-6.4516" y2="0.4064" layer="51"/>
<rectangle x1="6.4516" y1="-0.4064" x2="6.7564" y2="0.4064" layer="51"/>
</package>
<package name="MINI_MELF-0102AX" urn="urn:adsk.eagle:footprint:23100/1"
library_version="11">
<description>Mini MELF 0102 Axial</description>
<circle x="0" y="0" radius="0.6" width="0" layer="51"/>
<circle x="0" y="0" radius="0.6" width="0" layer="52"/>
<smd name="1" x="0" y="0" dx="1.9" dy="1.9" layer="1" roundness="100"/>
<smd name="2" x="0" y="0" dx="1.9" dy="1.9" layer="16"
roundness="100"/>
<text x="-1.27" y="0.9525" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.2225" size="1.27" layer="27">>VALUE</text>
<hole x="0" y="0" drill="1.3"/>
</package>
<package name="R0201" urn="urn:adsk.eagle:footprint:25683/1"
library_version="11">
<description>RESISTOR chip<p>
Source: http://www.vishay.com/docs/20008/dcrcw.pdf</description>
<smd name="1" x="-0.255" y="0" dx="0.28" dy="0.43" layer="1"/>
<smd name="2" x="0.255" y="0" dx="0.28" dy="0.43" layer="1"/>
<text x="-0.635" y="0.635" size="1.27" layer="25">>NAME</text>
<text x="-0.635" y="-1.905" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-0.3" y1="-0.15" x2="-0.15" y2="0.15" layer="51"/>
<rectangle x1="0.15" y1="-0.15" x2="0.3" y2="0.15" layer="51"/>
<rectangle x1="-0.15" y1="-0.15" x2="0.15" y2="0.15" layer="21"/>
</package>
<package name="VTA52" urn="urn:adsk.eagle:footprint:25684/1"
library_version="11">
<description>Bulk Metal® Foil Technology, Tubular Axial
Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements<p>
MIL SIZE RBR52
Source: VISHAY .. vta56.pdf</description>
<wire x1="-15.24" y1="0" x2="-13.97" y2="0" width="0.6096" layer="51"/>
<wire x1="12.6225" y1="0.025" x2="12.6225" y2="4.725" width="0.1524"
layer="21"/>
<wire x1="12.6225" y1="4.725" x2="-12.6225" y2="4.725" width="0.1524"
layer="21"/>
<wire x1="-12.6225" y1="4.725" x2="-12.6225" y2="0.025" width="0.1524"
layer="21"/>

<wire x1="-12.6225" y1="0.025" x2="-12.6225" y2="-4.65" width="0.1524" layer="21"/>
<wire x1="-12.6225" y1="-4.65" x2="12.6225" y2="-4.65" width="0.1524" layer="21"/>
<wire x1="12.6225" y1="-4.65" x2="12.6225" y2="0.025" width="0.1524" layer="21"/>
<wire x1="13.97" y1="0" x2="15.24" y2="0" width="0.6096" layer="51"/>
<pad name="1" x="-15.24" y="0" drill="1.1" shape="octagon"/>
<pad name="2" x="15.24" y="0" drill="1.1" shape="octagon"/>
<text x="-3.81" y="5.08" size="1.27" layer="25" ratio="10">>NAME</text>
<text x="-3.175" y="-0.635" size="1.27" layer="27" ratio="10">>VALUE</text>
<rectangle x1="-13.97" y1="-0.3048" x2="-12.5675" y2="0.3048" layer="21"/>
<rectangle x1="12.5675" y1="-0.3048" x2="13.97" y2="0.3048" layer="21"/>
</package>
<package name="VTA53" urn="urn:adsk.eagle:footprint:25685/1" library_version="11">
<description>Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements<p>
MIL SIZE RBR53
Source: VISHAY .. vta56.pdf</description>
<wire x1="-12.065" y1="0" x2="-10.795" y2="0" width="0.6096" layer="51"/>
<wire x1="9.8975" y1="0" x2="9.8975" y2="4.7" width="0.1524" layer="21"/>
<wire x1="9.8975" y1="4.7" x2="-9.8975" y2="4.7" width="0.1524" layer="21"/>
<wire x1="-9.8975" y1="4.7" x2="-9.8975" y2="0" width="0.1524" layer="21"/>
<wire x1="-9.8975" y1="0" x2="-9.8975" y2="-4.675" width="0.1524" layer="21"/>
<wire x1="-9.8975" y1="-4.675" x2="9.8975" y2="-4.675" width="0.1524" layer="21"/>
<wire x1="9.8975" y1="-4.675" x2="9.8975" y2="0" width="0.1524" layer="21"/>
<wire x1="10.795" y1="0" x2="12.065" y2="0" width="0.6096" layer="51"/>
<pad name="1" x="-12.065" y="0" drill="1.1" shape="octagon"/>
<pad name="2" x="12.065" y="0" drill="1.1" shape="octagon"/>
<text x="-3.81" y="5.08" size="1.27" layer="25" ratio="10">>NAME</text>
<text x="-3.175" y="-0.635" size="1.27" layer="27" ratio="10">>VALUE</text>
<rectangle x1="-10.795" y1="-0.3048" x2="-9.8425" y2="0.3048" layer="21"/>
<rectangle x1="9.8425" y1="-0.3048" x2="10.795" y2="0.3048" layer="21"/>
</package>
<package name="VTA54" urn="urn:adsk.eagle:footprint:25686/1" library_version="11">
<description>Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements<p>
MIL SIZE RBR54

Source: VISHAY .. vta56.pdf</description>
<wire x1="-12.065" y1="0" x2="-10.795" y2="0" width="0.6096" layer="51"/>
<wire x1="9.8975" y1="0" x2="9.8975" y2="3.3" width="0.1524" layer="21"/>
<wire x1="9.8975" y1="3.3" x2="-9.8975" y2="3.3" width="0.1524"
layer="21"/>
<wire x1="-9.8975" y1="3.3" x2="-9.8975" y2="0" width="0.1524"
layer="21"/>
<wire x1="-9.8975" y1="0" x2="-9.8975" y2="-3.3" width="0.1524"
layer="21"/>
<wire x1="-9.8975" y1="-3.3" x2="9.8975" y2="-3.3" width="0.1524"
layer="21"/>
<wire x1="9.8975" y1="-3.3" x2="9.8975" y2="0" width="0.1524"
layer="21"/>
<wire x1="10.795" y1="0" x2="12.065" y2="0" width="0.6096" layer="51"/>
<pad name="1" x="-12.065" y="0" drill="1.1" shape="octagon"/>
<pad name="2" x="12.065" y="0" drill="1.1" shape="octagon"/>
<text x="-3.81" y="3.81" size="1.27" layer="25" ratio="10">>NAME</text>
<text x="-3.175" y="-0.635" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-10.795" y1="-0.3048" x2="-9.8425" y2="0.3048" layer="21"/>
<rectangle x1="9.8425" y1="-0.3048" x2="10.795" y2="0.3048" layer="21"/>
</package>
<package name="VTA55" urn="urn:adsk.eagle:footprint:25687/1"
library_version="11">
<description>Bulk Metal® Foil Technology, Tubular Axial
Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements<p>
MIL SIZE RBR55
Source: VISHAY .. vta56.pdf</description>
<wire x1="-8.255" y1="0" x2="-6.985" y2="0" width="0.6096" layer="51"/>
<wire x1="6.405" y1="0" x2="6.405" y2="3.3" width="0.1524" layer="21"/>
<wire x1="6.405" y1="3.3" x2="-6.405" y2="3.3" width="0.1524" layer="21"/>
<wire x1="-6.405" y1="3.3" x2="-6.405" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.405" y1="0" x2="-6.405" y2="-3.3" width="0.1524" layer="21"/>
<wire x1="-6.405" y1="-3.3" x2="6.405" y2="-3.3" width="0.1524"
layer="21"/>
<wire x1="6.405" y1="-3.3" x2="6.405" y2="0" width="0.1524" layer="21"/>
<wire x1="6.985" y1="0" x2="8.255" y2="0" width="0.6096" layer="51"/>
<pad name="1" x="-8.255" y="0" drill="1.1" shape="octagon"/>
<pad name="2" x="8.255" y="0" drill="1.1" shape="octagon"/>
<text x="-3.81" y="3.81" size="1.27" layer="25" ratio="10">>NAME</text>
<text x="-3.175" y="-0.635" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-6.985" y1="-0.3048" x2="-6.35" y2="0.3048" layer="21"/>
<rectangle x1="6.35" y1="-0.3048" x2="6.985" y2="0.3048" layer="21"/>
</package>
<package name="VTA56" urn="urn:adsk.eagle:footprint:25688/1"
library_version="11">

<description>Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements<p>
MIL SIZE RBR56
Source: VISHAY .. vta56.pdf</description>
<wire x1="-6.35" y1="0" x2="-5.08" y2="0" width="0.6096" layer="51"/>
<wire x1="4.5" y1="0" x2="4.5" y2="3.3" width="0.1524" layer="21"/>
<wire x1="4.5" y1="3.3" x2="-4.5" y2="3.3" width="0.1524" layer="21"/>
<wire x1="-4.5" y1="3.3" x2="-4.5" y2="0" width="0.1524" layer="21"/>
<wire x1="-4.5" y1="0" x2="-4.5" y2="-3.3" width="0.1524" layer="21"/>
<wire x1="-4.5" y1="-3.3" x2="4.5" y2="-3.3" width="0.1524" layer="21"/>
<wire x1="4.5" y1="-3.3" x2="4.5" y2="0" width="0.1524" layer="21"/>
<wire x1="5.08" y1="0" x2="6.35" y2="0" width="0.6096" layer="51"/>
<pad name="1" x="-6.35" y="0" drill="1.1" shape="octagon"/>
<pad name="2" x="6.35" y="0" drill="1.1" shape="octagon"/>
<text x="-3.81" y="3.81" size="1.27" layer="25" ratio="10">>NAME</text>
<text x="-3.175" y="-0.635" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-5.08" y1="-0.3048" x2="-4.445" y2="0.3048" layer="21"/>
<rectangle x1="4.445" y1="-0.3048" x2="5.08" y2="0.3048" layer="21"/>
</package>
<package name="VMTA55" urn="urn:adsk.eagle:footprint:25689/1"
library_version="11">
<description>Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements<p>
MIL SIZE RNC55
Source: VISHAY .. vta56.pdf</description>
<wire x1="-5.08" y1="0" x2="-4.26" y2="0" width="0.6096" layer="51"/>
<wire x1="3.3375" y1="-1.45" x2="3.3375" y2="1.45" width="0.1524"
layer="21"/>
<wire x1="3.3375" y1="1.45" x2="-3.3625" y2="1.45" width="0.1524"
layer="21"/>
<wire x1="-3.3625" y1="1.45" x2="-3.3625" y2="-1.45" width="0.1524"
layer="21"/>
<wire x1="-3.3625" y1="-1.45" x2="3.3375" y2="-1.45" width="0.1524"
layer="21"/>
<wire x1="4.235" y1="0" x2="5.08" y2="0" width="0.6096" layer="51"/>
<pad name="1" x="-5.08" y="0" drill="1.1" shape="octagon"/>
<pad name="2" x="5.08" y="0" drill="1.1" shape="octagon"/>
<text x="-3.175" y="1.905" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.175" y="-0.635" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-4.26" y1="-0.3048" x2="-3.3075" y2="0.3048" layer="21"/>
<rectangle x1="3.2825" y1="-0.3048" x2="4.235" y2="0.3048" layer="21"/>
</package>
<package name="VMTB60" urn="urn:adsk.eagle:footprint:25690/1"
library_version="11">

<description>Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements<p>
MIL SIZE RNC60
Source: VISHAY .. vta56.pdf</description>
<wire x1="-6.35" y1="0" x2="-5.585" y2="0" width="0.6096" layer="51"/>
<wire x1="4.6875" y1="-1.95" x2="4.6875" y2="1.95" width="0.1524" layer="21"/>
<wire x1="4.6875" y1="1.95" x2="-4.6875" y2="1.95" width="0.1524" layer="21"/>
<wire x1="-4.6875" y1="1.95" x2="-4.6875" y2="-1.95" width="0.1524" layer="21"/>
<wire x1="-4.6875" y1="-1.95" x2="4.6875" y2="-1.95" width="0.1524" layer="21"/>
<wire x1="5.585" y1="0" x2="6.35" y2="0" width="0.6096" layer="51"/>
<pad name="1" x="-6.35" y="0" drill="1.1" shape="octagon"/>
<pad name="2" x="6.35" y="0" drill="1.1" shape="octagon"/>
<text x="-4.445" y="2.54" size="1.27" layer="25" ratio="10">>NAME</text>
<text x="-4.445" y="-0.635" size="1.27" layer="27" ratio="10">>VALUE</text>
<rectangle x1="-5.585" y1="-0.3048" x2="-4.6325" y2="0.3048" layer="21"/>
<rectangle x1="4.6325" y1="-0.3048" x2="5.585" y2="0.3048" layer="21"/>
</package>
<package name="R4527" urn="urn:adsk.eagle:footprint:13246/1" library_version="11">
<description>Package 4527<p>
Source: http://www.vishay.com/docs/31059/wsrhigh.pdf</description>
<wire x1="-5.675" y1="-3.375" x2="5.65" y2="-3.375" width="0.2032" layer="21"/>
<wire x1="5.65" y1="-3.375" x2="5.65" y2="3.375" width="0.2032" layer="51"/>
<wire x1="5.65" y1="3.375" x2="-5.675" y2="3.375" width="0.2032" layer="21"/>
<wire x1="-5.675" y1="3.375" x2="-5.675" y2="-3.375" width="0.2032" layer="51"/>
<smd name="1" x="-4.575" y="0" dx="3.94" dy="5.84" layer="1"/>
<smd name="2" x="4.575" y="0" dx="3.94" dy="5.84" layer="1"/>
<text x="-5.715" y="3.81" size="1.27" layer="25">>NAME</text>
<text x="-5.715" y="-5.08" size="1.27" layer="27">>VALUE</text>
</package>
<package name="WSC0001" urn="urn:adsk.eagle:footprint:25692/1" library_version="11">
<description>Wirewound Resistors, Precision Power<p>
Source: VISHAY wscwsn.pdf</description>
<wire x1="-3.075" y1="1.8" x2="-3.075" y2="-1.8" width="0.2032" layer="51"/>

<wire x1="-3.075" y1="-1.8" x2="3.075" y2="-1.8" width="0.2032"
layer="21"/>
<wire x1="3.075" y1="-1.8" x2="3.075" y2="1.8" width="0.2032" layer="51"/>
<wire x1="3.075" y1="1.8" x2="-3.075" y2="1.8" width="0.2032" layer="21"/>
<wire x1="-3.075" y1="1.8" x2="-3.075" y2="1.606" width="0.2032"
layer="21"/>
<wire x1="-3.075" y1="-1.606" x2="-3.075" y2="-1.8" width="0.2032"
layer="21"/>
<wire x1="3.075" y1="1.606" x2="3.075" y2="1.8" width="0.2032"
layer="21"/>
<wire x1="3.075" y1="-1.8" x2="3.075" y2="-1.606" width="0.2032"
layer="21"/>
<smd name="1" x="-2.675" y="0" dx="2.29" dy="2.92" layer="1"/>
<smd name="2" x="2.675" y="0" dx="2.29" dy="2.92" layer="1"/>
<text x="-2.544" y="2.229" size="1.27" layer="25">>NAME</text>
<text x="-2.544" y="-3.501" size="1.27" layer="27">>VALUE</text>
</package>
<package name="WSC0002" urn="urn:adsk.eagle:footprint:25693/1"
library_version="11">
<description>Wirewound Resistors, Precision Power<p>
Source: VISHAY wscwsn.pdf</description>
<wire x1="-5.55" y1="3.375" x2="-5.55" y2="-3.375" width="0.2032"
layer="51"/>
<wire x1="-5.55" y1="-3.375" x2="5.55" y2="-3.375" width="0.2032"
layer="21"/>
<wire x1="5.55" y1="-3.375" x2="5.55" y2="3.375" width="0.2032"
layer="51"/>
<wire x1="5.55" y1="3.375" x2="-5.55" y2="3.375" width="0.2032"
layer="21"/>
<smd name="1" x="-4.575" y="0.025" dx="3.94" dy="5.84" layer="1"/>
<smd name="2" x="4.575" y="0" dx="3.94" dy="5.84" layer="1"/>
<text x="-5.65" y="3.9" size="1.27" layer="25">>NAME</text>
<text x="-5.65" y="-5.15" size="1.27" layer="27">>VALUE</text>
</package>
<package name="WSC01/2" urn="urn:adsk.eagle:footprint:25694/1"
library_version="11">
<description>Wirewound Resistors, Precision Power<p>
Source: VISHAY wscwsn.pdf</description>
<wire x1="-2.45" y1="1.475" x2="-2.45" y2="-1.475" width="0.2032"
layer="51"/>
<wire x1="-2.45" y1="-1.475" x2="2.45" y2="-1.475" width="0.2032"
layer="21"/>
<wire x1="2.45" y1="-1.475" x2="2.45" y2="1.475" width="0.2032"
layer="51"/>
<wire x1="2.45" y1="1.475" x2="-2.45" y2="1.475" width="0.2032"
layer="21"/>

<wire x1="-2.45" y1="1.475" x2="-2.45" y2="1.106" width="0.2032"
layer="21"/>
<wire x1="-2.45" y1="-1.106" x2="-2.45" y2="-1.475" width="0.2032"
layer="21"/>
<wire x1="2.45" y1="1.106" x2="2.45" y2="1.475" width="0.2032"
layer="21"/>
<wire x1="2.45" y1="-1.475" x2="2.45" y2="-1.106" width="0.2032"
layer="21"/>
<smd name="1" x="-2.1" y="0" dx="2.16" dy="1.78" layer="1"/>
<smd name="2" x="2.1" y="0" dx="2.16" dy="1.78" layer="1"/>
<text x="-2.544" y="1.904" size="1.27" layer="25">>NAME</text>
<text x="-2.544" y="-3.176" size="1.27" layer="27">>VALUE</text>
</package>
<package name="WSC2515" urn="urn:adsk.eagle:footprint:25695/1"
library_version="11">
<description>Wirewound Resistors, Precision Power<p>
Source: VISHAY wscwsn.pdf</description>
<wire x1="-3.075" y1="1.8" x2="-3.075" y2="-1.8" width="0.2032"
layer="51"/>
<wire x1="-3.075" y1="-1.8" x2="3.05" y2="-1.8" width="0.2032" layer="21"/>
<wire x1="3.05" y1="-1.8" x2="3.05" y2="1.8" width="0.2032" layer="51"/>
<wire x1="3.05" y1="1.8" x2="-3.075" y2="1.8" width="0.2032" layer="21"/>
<wire x1="-3.075" y1="1.8" x2="-3.075" y2="1.606" width="0.2032"
layer="21"/>
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layer="21"/>
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<wire x1="3.05" y1="-1.8" x2="3.05" y2="-1.606" width="0.2032"
layer="21"/>
<smd name="1" x="-2.675" y="0" dx="2.29" dy="2.92" layer="1"/>
<smd name="2" x="2.675" y="0" dx="2.29" dy="2.92" layer="1"/>
<text x="-3.2" y="2.15" size="1.27" layer="25">>NAME</text>
<text x="-3.2" y="-3.4" size="1.27" layer="27">>VALUE</text>
</package>
<package name="WSC4527" urn="urn:adsk.eagle:footprint:25696/1"
library_version="11">
<description>Wirewound Resistors, Precision Power<p>
Source: VISHAY wscwsn.pdf</description>
<wire x1="-5.675" y1="3.4" x2="-5.675" y2="-3.375" width="0.2032"
layer="51"/>
<wire x1="-5.675" y1="-3.375" x2="5.675" y2="-3.375" width="0.2032"
layer="21"/>
<wire x1="5.675" y1="-3.375" x2="5.675" y2="3.4" width="0.2032"
layer="51"/>
<wire x1="5.675" y1="3.4" x2="-5.675" y2="3.4" width="0.2032" layer="21"/>
<smd name="1" x="-4.575" y="0.025" dx="3.94" dy="5.84" layer="1"/>
<smd name="2" x="4.575" y="0" dx="3.94" dy="5.84" layer="1"/>

<text x="-5.775" y="3.925" size="1.27" layer="25">>NAME</text>
<text x="-5.775" y="-5.15" size="1.27" layer="27">>VALUE</text>
</package>
<package name="WSC6927" urn="urn:adsk.eagle:footprint:25697/1"
library_version="11">
<description>Wirewound Resistors, Precision Power<p>
Source: VISHAY wscwsn.pdf</description>
<wire x1="-8.65" y1="3.375" x2="-8.65" y2="-3.375" width="0.2032"
layer="51"/>
<wire x1="-8.65" y1="-3.375" x2="8.65" y2="-3.375" width="0.2032"
layer="21"/>
<wire x1="8.65" y1="-3.375" x2="8.65" y2="3.375" width="0.2032"
layer="51"/>
<wire x1="8.65" y1="3.375" x2="-8.65" y2="3.375" width="0.2032"
layer="21"/>
<smd name="1" x="-7.95" y="0.025" dx="3.94" dy="5.97" layer="1"/>
<smd name="2" x="7.95" y="0" dx="3.94" dy="5.97" layer="1"/>
<text x="-8.75" y="3.9" size="1.27" layer="25">>NAME</text>
<text x="-8.75" y="-5.15" size="1.27" layer="27">>VALUE</text>
</package>
<package name="R1218" urn="urn:adsk.eagle:footprint:25698/1"
library_version="11">
<description>CRCW1218 Thick Film, Rectangular Chip
Resistors<p>
Source: http://www.vishay.com .. dcrcw.pdf</description>
<wire x1="-0.913" y1="-2.219" x2="0.939" y2="-2.219" width="0.1524"
layer="51"/>
<wire x1="0.913" y1="2.219" x2="-0.939" y2="2.219" width="0.1524"
layer="51"/>
<smd name="1" x="-1.475" y="0" dx="1.05" dy="4.9" layer="1"/>
<smd name="2" x="1.475" y="0" dx="1.05" dy="4.9" layer="1"/>
<text x="-2.54" y="2.54" size="1.27" layer="25">>NAME</text>
<text x="-2.54" y="-3.81" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.651" y1="-2.3" x2="-0.9009" y2="2.3" layer="51"/>
<rectangle x1="0.9144" y1="-2.3" x2="1.6645" y2="2.3" layer="51"/>
</package>
<package name="1812X7R" urn="urn:adsk.eagle:footprint:25699/1"
library_version="11">
<description>Chip Monolithic Ceramic Capacitors Medium
Voltage High Capacitance for General Use<p>
Source: http://www.murata.com .. GRM43DR72E224KW01.pdf</description>
<wire x1="-1.1" y1="1.5" x2="1.1" y2="1.5" width="0.2032" layer="51"/>
<wire x1="1.1" y1="-1.5" x2="-1.1" y2="-1.5" width="0.2032" layer="51"/>
<wire x1="-0.6" y1="1.5" x2="0.6" y2="1.5" width="0.2032" layer="21"/>
<wire x1="0.6" y1="-1.5" x2="-0.6" y2="-1.5" width="0.2032" layer="21"/>
<smd name="1" x="-1.425" y="0" dx="0.8" dy="3.5" layer="1"/>
<smd name="2" x="1.425" y="0" dx="0.8" dy="3.5" layer="1" rot="R180"/>

<text x="-1.9456" y="1.9958" size="1.27" layer="25">>NAME</text>
<text x="-1.9456" y="-3.7738" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.4" y1="-1.6" x2="-1.1" y2="1.6" layer="51"/>
<rectangle x1="1.1" y1="-1.6" x2="1.4" y2="1.6" layer="51" rot="R180"/>
</package>
<package name="PRL1632" urn="urn:adsk.eagle:footprint:25700/1"
library_version="11">
<description>PRL1632 are realized as 1W for 3.2 ×
1.6mm(1206)<p>
Source: http://www.mouser.com/ds/2/392/products_18-2245.pdf</description>
<wire x1="0.7275" y1="-1.5228" x2="-0.7277" y2="-1.5228" width="0.1524"
layer="51"/>
<wire x1="0.7275" y1="1.5228" x2="-0.7152" y2="1.5228" width="0.1524"
layer="51"/>
<smd name="2" x="0.822" y="0" dx="1" dy="3.2" layer="1"/>
<smd name="1" x="-0.822" y="0" dx="1" dy="3.2" layer="1"/>
<text x="-1.4" y="1.8" size="1.27" layer="25">>NAME</text>
<text x="-1.4" y="-3" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-0.8" y1="-1.6" x2="-0.4" y2="1.6" layer="51"/>
<rectangle x1="0.4" y1="-1.6" x2="0.8" y2="1.6" layer="51"/>
</package>
<package name="R01005" urn="urn:adsk.eagle:footprint:25701/1"
library_version="11">
<smd name="1" x="-0.1625" y="0" dx="0.2" dy="0.25" layer="1"/>
<smd name="2" x="0.1625" y="0" dx="0.2" dy="0.25" layer="1"/>
<text x="-0.4" y="0.3" size="1.27" layer="25">>NAME</text>
<text x="-0.4" y="-1.6" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-0.2" y1="-0.1" x2="-0.075" y2="0.1" layer="51"/>
<rectangle x1="0.075" y1="-0.1" x2="0.2" y2="0.1" layer="51"/>
<rectangle x1="-0.15" y1="0.05" x2="0.15" y2="0.1" layer="51"/>
<rectangle x1="-0.15" y1="-0.1" x2="0.15" y2="-0.05" layer="51"/>
</package>
<package name="C0402" urn="urn:adsk.eagle:footprint:23121/1"
library_version="11">
<description>CAPACITOR</description>
<wire x1="-0.245" y1="0.224" x2="0.245" y2="0.224" width="0.1524"
layer="51"/>
<wire x1="0.245" y1="-0.224" x2="-0.245" y2="-0.224" width="0.1524"
layer="51"/>
<wire x1="-1.473" y1="0.483" x2="1.473" y2="0.483" width="0.0508"
layer="39"/>
<wire x1="1.473" y1="0.483" x2="1.473" y2="-0.483" width="0.0508"
layer="39"/>
<wire x1="1.473" y1="-0.483" x2="-1.473" y2="-0.483" width="0.0508"
layer="39"/>
<wire x1="-1.473" y1="-0.483" x2="-1.473" y2="0.483" width="0.0508"
layer="39"/>

<smd name="1" x="-0.65" y="0" dx="0.7" dy="0.9" layer="1"/>
<smd name="2" x="0.65" y="0" dx="0.7" dy="0.9" layer="1"/>
<text x="-0.635" y="0.635" size="1.27" layer="25">>NAME</text>
<text x="-0.635" y="-1.905" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-0.554" y1="-0.3048" x2="-0.254" y2="0.2951" layer="51"/>
<rectangle x1="0.2588" y1="-0.3048" x2="0.5588" y2="0.2951" layer="51"/>
<rectangle x1="-0.1999" y1="-0.3" x2="0.1999" y2="0.3" layer="35"/>
</package>
<package name="C0504" urn="urn:adsk.eagle:footprint:23122/1"
library_version="11">
<description>CAPACITOR</description>
<wire x1="-1.473" y1="0.983" x2="1.473" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="1.473" y1="0.983" x2="1.473" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="1.473" y1="-0.983" x2="-1.473" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="-1.473" y1="-0.983" x2="-1.473" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="-0.294" y1="0.559" x2="0.294" y2="0.559" width="0.1016"
layer="51"/>
<wire x1="-0.294" y1="-0.559" x2="0.294" y2="-0.559" width="0.1016"
layer="51"/>
<smd name="1" x="-0.7" y="0" dx="1" dy="1.3" layer="1"/>
<smd name="2" x="0.7" y="0" dx="1" dy="1.3" layer="1"/>
<text x="-0.635" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-0.635" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-0.6604" y1="-0.6223" x2="-0.2804" y2="0.6276" layer="51"/>
<rectangle x1="0.2794" y1="-0.6223" x2="0.6594" y2="0.6276" layer="51"/>
<rectangle x1="-0.1001" y1="-0.4001" x2="0.1001" y2="0.4001" layer="35"/>
</package>
<package name="C0603" urn="urn:adsk.eagle:footprint:23123/1"
library_version="11">
<description>CAPACITOR</description>
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layer="39"/>
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layer="39"/>
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layer="39"/>
<wire x1="-1.473" y1="-0.983" x2="-1.473" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="-0.356" y1="0.432" x2="0.356" y2="0.432" width="0.1016"
layer="51"/>
<wire x1="-0.356" y1="-0.419" x2="0.356" y2="-0.419" width="0.1016"
layer="51"/>
<smd name="1" x="-0.85" y="0" dx="1.1" dy="1" layer="1"/>

<smd name="2" x="0.85" y="0" dx="1.1" dy="1" layer="1"/>
<text x="-0.635" y="0.635" size="1.27" layer="25">>NAME</text>
<text x="-0.635" y="-1.905" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-0.8382" y1="-0.4699" x2="-0.3381" y2="0.4801" layer="51"/>
<rectangle x1="0.3302" y1="-0.4699" x2="0.8303" y2="0.4801" layer="51"/>
<rectangle x1="-0.1999" y1="-0.3" x2="0.1999" y2="0.3" layer="35"/>
</package>
<package name="C0805" urn="urn:adsk.eagle:footprint:23124/1"
library_version="11">
<description>CAPACITOR<p></description>
<wire x1="-1.973" y1="0.983" x2="1.973" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="1.973" y1="-0.983" x2="-1.973" y2="-0.983" width="0.0508"
layer="39"/>
<wire x1="-1.973" y1="-0.983" x2="-1.973" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="-0.381" y1="0.66" x2="0.381" y2="0.66" width="0.1016"
layer="51"/>
<wire x1="-0.356" y1="-0.66" x2="0.381" y2="-0.66" width="0.1016"
layer="51"/>
<wire x1="1.973" y1="0.983" x2="1.973" y2="-0.983" width="0.0508"
layer="39"/>
<smd name="1" x="-0.95" y="0" dx="1.3" dy="1.5" layer="1"/>
<smd name="2" x="0.95" y="0" dx="1.3" dy="1.5" layer="1"/>
<text x="-1.27" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.0922" y1="-0.7239" x2="-0.3421" y2="0.7262" layer="51"/>
<rectangle x1="0.3556" y1="-0.7239" x2="1.1057" y2="0.7262" layer="51"/>
<rectangle x1="-0.1001" y1="-0.4001" x2="0.1001" y2="0.4001" layer="35"/>
</package>
<package name="C1206" urn="urn:adsk.eagle:footprint:23125/1"
library_version="11">
<description>CAPACITOR</description>
<wire x1="-2.473" y1="0.983" x2="2.473" y2="0.983" width="0.0508"
layer="39"/>
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layer="39"/>
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layer="39"/>
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layer="39"/>
<wire x1="-0.965" y1="0.787" x2="0.965" y2="0.787" width="0.1016"
layer="51"/>
<wire x1="-0.965" y1="-0.787" x2="0.965" y2="-0.787" width="0.1016"
layer="51"/>
<smd name="1" x="-1.4" y="0" dx="1.6" dy="1.8" layer="1"/>
<smd name="2" x="1.4" y="0" dx="1.6" dy="1.8" layer="1"/>

<text x="-1.27" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.7018" y1="-0.8509" x2="-0.9517" y2="0.8491" layer="51"/>
<rectangle x1="0.9517" y1="-0.8491" x2="1.7018" y2="0.8509" layer="51"/>
<rectangle x1="-0.1999" y1="-0.4001" x2="0.1999" y2="0.4001" layer="35"/>
</package>
<package name="C1210" urn="urn:adsk.eagle:footprint:23126/1"
library_version="11">
<description>CAPACITOR</description>
<wire x1="-2.473" y1="1.483" x2="2.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="2.473" y1="-1.483" x2="-2.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="-2.473" y1="-1.483" x2="-2.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="-0.9652" y1="1.2446" x2="0.9652" y2="1.2446" width="0.1016"
layer="51"/>
<wire x1="-0.9652" y1="-1.2446" x2="0.9652" y2="-1.2446" width="0.1016"
layer="51"/>
<wire x1="2.473" y1="1.483" x2="2.473" y2="-1.483" width="0.0508"
layer="39"/>
<smd name="1" x="-1.4" y="0" dx="1.6" dy="2.7" layer="1"/>
<smd name="2" x="1.4" y="0" dx="1.6" dy="2.7" layer="1"/>
<text x="-1.905" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-1.905" y="-3.175" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.7018" y1="-1.2954" x2="-0.9517" y2="1.3045" layer="51"/>
<rectangle x1="0.9517" y1="-1.3045" x2="1.7018" y2="1.2954" layer="51"/>
<rectangle x1="-0.1999" y1="-0.4001" x2="0.1999" y2="0.4001" layer="35"/>
</package>
<package name="C1310" urn="urn:adsk.eagle:footprint:23127/1"
library_version="11">
<description>CAPACITOR</description>
<wire x1="-1.473" y1="0.983" x2="1.473" y2="0.983" width="0.0508"
layer="39"/>
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layer="39"/>
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layer="39"/>
<wire x1="-1.473" y1="-0.983" x2="-1.473" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="-0.294" y1="0.559" x2="0.294" y2="0.559" width="0.1016"
layer="51"/>
<wire x1="-0.294" y1="-0.559" x2="0.294" y2="-0.559" width="0.1016"
layer="51"/>
<smd name="1" x="-0.7" y="0" dx="1" dy="1.3" layer="1"/>
<smd name="2" x="0.7" y="0" dx="1" dy="1.3" layer="1"/>
<text x="-0.635" y="1.27" size="1.27" layer="25">>NAME</text>

<text x="-0.635" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-0.6604" y1="-0.6223" x2="-0.2804" y2="0.6276" layer="51"/>
<rectangle x1="0.2794" y1="-0.6223" x2="0.6594" y2="0.6276" layer="51"/>
<rectangle x1="-0.1001" y1="-0.3" x2="0.1001" y2="0.3" layer="35"/>
</package>
<package name="C1608" urn="urn:adsk.eagle:footprint:23128/1"
library_version="11">
<description>CAPACITOR</description>
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layer="39"/>
<wire x1="1.473" y1="0.983" x2="1.473" y2="-0.983" width="0.0508"
layer="39"/>
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layer="39"/>
<wire x1="-1.473" y1="-0.983" x2="-1.473" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="-0.356" y1="0.432" x2="0.356" y2="0.432" width="0.1016"
layer="51"/>
<wire x1="-0.356" y1="-0.419" x2="0.356" y2="-0.419" width="0.1016"
layer="51"/>
<smd name="1" x="-0.85" y="0" dx="1.1" dy="1" layer="1"/>
<smd name="2" x="0.85" y="0" dx="1.1" dy="1" layer="1"/>
<text x="-0.635" y="0.635" size="1.27" layer="25">>NAME</text>
<text x="-0.635" y="-1.905" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-0.8382" y1="-0.4699" x2="-0.3381" y2="0.4801" layer="51"/>
<rectangle x1="0.3302" y1="-0.4699" x2="0.8303" y2="0.4801" layer="51"/>
<rectangle x1="-0.1999" y1="-0.3" x2="0.1999" y2="0.3" layer="35"/>
</package>
<package name="C1812" urn="urn:adsk.eagle:footprint:23129/1"
library_version="11">
<description>CAPACITOR</description>
<wire x1="-2.973" y1="1.983" x2="2.973" y2="1.983" width="0.0508"
layer="39"/>
<wire x1="2.973" y1="-1.983" x2="-2.973" y2="-1.983" width="0.0508"
layer="39"/>
<wire x1="-2.973" y1="-1.983" x2="-2.973" y2="1.983" width="0.0508"
layer="39"/>
<wire x1="-1.4732" y1="1.6002" x2="1.4732" y2="1.6002" width="0.1016"
layer="51"/>
<wire x1="-1.4478" y1="-1.6002" x2="1.4732" y2="-1.6002" width="0.1016"
layer="51"/>
<wire x1="2.973" y1="1.983" x2="2.973" y2="-1.983" width="0.0508"
layer="39"/>
<smd name="1" x="-1.95" y="0" dx="1.9" dy="3.4" layer="1"/>
<smd name="2" x="1.95" y="0" dx="1.9" dy="3.4" layer="1"/>
<text x="-1.905" y="2.54" size="1.27" layer="25">>NAME</text>
<text x="-1.905" y="-3.81" size="1.27" layer="27">>VALUE</text>

<rectangle x1="-2.3876" y1="-1.651" x2="-1.4376" y2="1.649" layer="51"/>
<rectangle x1="1.4478" y1="-1.651" x2="2.3978" y2="1.649" layer="51"/>
<rectangle x1="-0.3" y1="-0.4001" x2="0.3" y2="0.4001" layer="35"/>
</package>
<package name="C1825" urn="urn:adsk.eagle:footprint:23130/1"
library_version="11">
<description>CAPACITOR</description>
<wire x1="-2.973" y1="3.483" x2="2.973" y2="3.483" width="0.0508"
layer="39"/>
<wire x1="2.973" y1="-3.483" x2="-2.973" y2="-3.483" width="0.0508"
layer="39"/>
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layer="39"/>
<wire x1="-1.4986" y1="3.2766" x2="1.4732" y2="3.2766" width="0.1016"
layer="51"/>
<wire x1="-1.4732" y1="-3.2766" x2="1.4986" y2="-3.2766" width="0.1016"
layer="51"/>
<wire x1="2.973" y1="3.483" x2="2.973" y2="-3.483" width="0.0508"
layer="39"/>
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<smd name="2" x="1.95" y="0" dx="1.9" dy="6.8" layer="1"/>
<text x="-1.905" y="3.81" size="1.27" layer="25">>NAME</text>
<text x="-1.905" y="-5.08" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-2.413" y1="-3.3528" x2="-1.463" y2="3.3472" layer="51"/>
<rectangle x1="1.4478" y1="-3.3528" x2="2.3978" y2="3.3472" layer="51"/>
<rectangle x1="-0.7" y1="-0.7" x2="0.7" y2="0.7" layer="35"/>
</package>
<package name="C2012" urn="urn:adsk.eagle:footprint:23131/1"
library_version="11">
<description>CAPACITOR</description>
<wire x1="-1.973" y1="0.983" x2="1.973" y2="0.983" width="0.0508"
layer="39"/>
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layer="39"/>
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layer="39"/>
<wire x1="-1.973" y1="-0.983" x2="-1.973" y2="0.983" width="0.0508"
layer="39"/>
<wire x1="-0.381" y1="0.66" x2="0.381" y2="0.66" width="0.1016"
layer="51"/>
<wire x1="-0.356" y1="-0.66" x2="0.381" y2="-0.66" width="0.1016"
layer="51"/>
<smd name="1" x="-0.85" y="0" dx="1.3" dy="1.5" layer="1"/>
<smd name="2" x="0.85" y="0" dx="1.3" dy="1.5" layer="1"/>
<text x="-1.27" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.0922" y1="-0.7239" x2="-0.3421" y2="0.7262" layer="51"/>

<rectangle x1="0.3556" y1="-0.7239" x2="1.1057" y2="0.7262" layer="51"/>
<rectangle x1="-0.1001" y1="-0.4001" x2="0.1001" y2="0.4001" layer="35"/>
</package>
<package name="C3216" urn="urn:adsk.eagle:footprint:23132/1"
library_version="11">
<description>CAPACITOR</description>
<wire x1="-2.473" y1="0.983" x2="2.473" y2="0.983" width="0.0508"
layer="39"/>
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layer="39"/>
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layer="39"/>
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layer="39"/>
<wire x1="-0.965" y1="0.787" x2="0.965" y2="0.787" width="0.1016"
layer="51"/>
<wire x1="-0.965" y1="-0.787" x2="0.965" y2="-0.787" width="0.1016"
layer="51"/>
<smd name="1" x="-1.4" y="0" dx="1.6" dy="1.8" layer="1"/>
<smd name="2" x="1.4" y="0" dx="1.6" dy="1.8" layer="1"/>
<text x="-1.27" y="1.27" size="1.27" layer="25">>NAME</text>
<text x="-1.27" y="-2.54" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.7018" y1="-0.8509" x2="-0.9517" y2="0.8491" layer="51"/>
<rectangle x1="0.9517" y1="-0.8491" x2="1.7018" y2="0.8509" layer="51"/>
<rectangle x1="-0.3" y1="-0.5001" x2="0.3" y2="0.5001" layer="35"/>
</package>
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library_version="11">
<description>CAPACITOR</description>
<wire x1="-2.473" y1="1.483" x2="2.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="2.473" y1="-1.483" x2="-2.473" y2="-1.483" width="0.0508"
layer="39"/>
<wire x1="-2.473" y1="-1.483" x2="-2.473" y2="1.483" width="0.0508"
layer="39"/>
<wire x1="-0.9652" y1="1.2446" x2="0.9652" y2="1.2446" width="0.1016"
layer="51"/>
<wire x1="-0.9652" y1="-1.2446" x2="0.9652" y2="-1.2446" width="0.1016"
layer="51"/>
<wire x1="2.473" y1="1.483" x2="2.473" y2="-1.483" width="0.0508"
layer="39"/>
<smd name="1" x="-1.4" y="0" dx="1.6" dy="2.7" layer="1"/>
<smd name="2" x="1.4" y="0" dx="1.6" dy="2.7" layer="1"/>
<text x="-1.905" y="1.905" size="1.27" layer="25">>NAME</text>
<text x="-1.905" y="-3.175" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-1.7018" y1="-1.2954" x2="-0.9517" y2="1.3045" layer="51"/>
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<rectangle x1="-0.1999" y1="-0.5001" x2="0.1999" y2="0.5001" layer="35"/>
</package>
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library_version="11">
<description>CAPACITOR</description>
<wire x1="-2.973" y1="1.983" x2="2.973" y2="1.983" width="0.0508"
layer="39"/>
<wire x1="2.973" y1="-1.983" x2="-2.973" y2="-1.983" width="0.0508"
layer="39"/>
<wire x1="-2.973" y1="-1.983" x2="-2.973" y2="1.983" width="0.0508"
layer="39"/>
<wire x1="-1.4732" y1="1.6002" x2="1.4732" y2="1.6002" width="0.1016"
layer="51"/>
<wire x1="-1.4478" y1="-1.6002" x2="1.4732" y2="-1.6002" width="0.1016"
layer="51"/>
<wire x1="2.973" y1="1.983" x2="2.973" y2="-1.983" width="0.0508"
layer="39"/>
<smd name="1" x="-1.95" y="0" dx="1.9" dy="3.4" layer="1"/>
<smd name="2" x="1.95" y="0" dx="1.9" dy="3.4" layer="1"/>
<text x="-1.905" y="2.54" size="1.27" layer="25">>NAME</text>
<text x="-1.905" y="-3.81" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-2.3876" y1="-1.651" x2="-1.4376" y2="1.649" layer="51"/>
<rectangle x1="1.4478" y1="-1.651" x2="2.3978" y2="1.649" layer="51"/>
<rectangle x1="-0.4001" y1="-0.7" x2="0.4001" y2="0.7" layer="35"/>
</package>
<package name="C4564" urn="urn:adsk.eagle:footprint:23135/1"
library_version="11">
<description>CAPACITOR</description>
<wire x1="-2.973" y1="3.483" x2="2.973" y2="3.483" width="0.0508"
layer="39"/>
<wire x1="2.973" y1="-3.483" x2="-2.973" y2="-3.483" width="0.0508"
layer="39"/>
<wire x1="-2.973" y1="-3.483" x2="-2.973" y2="3.483" width="0.0508"
layer="39"/>
<wire x1="-1.4986" y1="3.2766" x2="1.4732" y2="3.2766" width="0.1016"
layer="51"/>
<wire x1="-1.4732" y1="-3.2766" x2="1.4986" y2="-3.2766" width="0.1016"
layer="51"/>
<wire x1="2.973" y1="3.483" x2="2.973" y2="-3.483" width="0.0508"
layer="39"/>
<smd name="1" x="-1.95" y="0" dx="1.9" dy="6.8" layer="1"/>
<smd name="2" x="1.95" y="0" dx="1.9" dy="6.8" layer="1"/>
<text x="-1.905" y="3.81" size="1.27" layer="25">>NAME</text>
<text x="-1.905" y="-5.08" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-2.413" y1="-3.3528" x2="-1.463" y2="3.3472" layer="51"/>
<rectangle x1="1.4478" y1="-3.3528" x2="2.3978" y2="3.3472" layer="51"/>
<rectangle x1="-0.5001" y1="-1" x2="0.5001" y2="1" layer="35"/>

</package>
<package name="C025-024X044" urn="urn:adsk.eagle:footprint:23136/1"
library_version="11">
<description>CAPACITOR<p>
grid 2.5 mm, outline 2.4 x 4.4 mm</description>
<wire x1="-2.159" y1="-0.635" x2="-2.159" y2="0.635" width="0.1524"
layer="21"/>
<wire x1="-2.159" y1="0.635" x2="-1.651" y2="1.143" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.159" y1="-0.635" x2="-1.651" y2="-1.143" width="0.1524"
layer="21" curve="90"/>
<wire x1="1.651" y1="1.143" x2="-1.651" y2="1.143" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="-0.635" x2="2.159" y2="0.635" width="0.1524"
layer="21"/>
<wire x1="1.651" y1="-1.143" x2="-1.651" y2="-1.143" width="0.1524"
layer="21"/>
<wire x1="1.651" y1="1.143" x2="2.159" y2="0.635" width="0.1524"
layer="21" curve="-90"/>
<wire x1="1.651" y1="-1.143" x2="2.159" y2="-0.635" width="0.1524"
layer="21" curve="90"/>
<wire x1="-0.3048" y1="0.762" x2="-0.3048" y2="-0.762" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0.762" x2="0.3302" y2="-0.762" width="0.3048"
layer="21"/>
<wire x1="1.27" y1="0" x2="0.3302" y2="0" width="0.1524" layer="51"/>
<wire x1="-1.27" y1="0" x2="-0.3048" y2="0" width="0.1524" layer="51"/>
<pad name="1" x="-1.27" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="-1.778" y="1.397" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-1.778" y="-2.667" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C025-025X050" urn="urn:adsk.eagle:footprint:23137/1"
library_version="11">
<description>CAPACITOR<p>
grid 2.5 mm, outline 2.5 x 5 mm</description>
<wire x1="-2.159" y1="1.27" x2="2.159" y2="1.27" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="-1.27" x2="-2.159" y2="-1.27" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="1.016" x2="2.413" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="-2.413" y1="1.016" x2="-2.413" y2="-1.016" width="0.1524"
layer="21"/>

<wire x1="2.159" y1="1.27" x2="2.413" y2="1.016" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.413" y1="1.016" x2="-2.159" y2="1.27" width="0.1524"
layer="21" curve="-90"/>
<wire x1="2.159" y1="-1.27" x2="2.413" y2="-1.016" width="0.1524"
layer="21" curve="90"/>
<wire x1="-2.413" y1="-1.016" x2="-2.159" y2="-1.27" width="0.1524"
layer="21" curve="90"/>
<wire x1="0.762" y1="0" x2="0.381" y2="0" width="0.1524" layer="51"/>
<wire x1="0.381" y1="0" x2="0.254" y2="0" width="0.1524" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="0.762" width="0.254" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="-0.762" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0.762" x2="-0.254" y2="0" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.254" y2="-0.762" width="0.254"
layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.381" y2="0" width="0.1524" layer="21"/>
<wire x1="-0.381" y1="0" x2="-0.762" y2="0" width="0.1524" layer="51"/>
<pad name="1" x="-1.27" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="-2.286" y="1.524" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.286" y="-2.794" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C025-030X050" urn="urn:adsk.eagle:footprint:23138/1"
library_version="11">
<description>CAPACITOR<p>
grid 2.5 mm, outline 3 x 5 mm</description>
<wire x1="-2.159" y1="1.524" x2="2.159" y2="1.524" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="-1.524" x2="-2.159" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="1.27" x2="2.413" y2="-1.27" width="0.1524"
layer="21"/>
<wire x1="-2.413" y1="1.27" x2="-2.413" y2="-1.27" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="1.524" x2="2.413" y2="1.27" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.413" y1="1.27" x2="-2.159" y2="1.524" width="0.1524"
layer="21" curve="-90"/>
<wire x1="2.159" y1="-1.524" x2="2.413" y2="-1.27" width="0.1524"
layer="21" curve="90"/>
<wire x1="-2.413" y1="-1.27" x2="-2.159" y2="-1.524" width="0.1524"
layer="21" curve="90"/>
<wire x1="0.762" y1="0" x2="0.381" y2="0" width="0.1524" layer="51"/>
<wire x1="0.381" y1="0" x2="0.254" y2="0" width="0.1524" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="0.762" width="0.254" layer="21"/>

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<wire x1="-0.254" y1="0.762" x2="-0.254" y2="0" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.254" y2="-0.762" width="0.254"
layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.381" y2="0" width="0.1524" layer="21"/>
<wire x1="-0.381" y1="0" x2="-0.762" y2="0" width="0.1524" layer="51"/>
<pad name="1" x="-1.27" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="-2.286" y="1.905" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.286" y="-3.048" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C025-040X050" urn="urn:adsk.eagle:footprint:23139/1"
library_version="11">
<description>CAPACITOR<p>
grid 2.5 mm, outline 4 x 5 mm</description>
<wire x1="-2.159" y1="1.905" x2="2.159" y2="1.905" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="-1.905" x2="-2.159" y2="-1.905" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="1.651" x2="2.413" y2="-1.651" width="0.1524"
layer="21"/>
<wire x1="-2.413" y1="1.651" x2="-2.413" y2="-1.651" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="1.905" x2="2.413" y2="1.651" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.413" y1="1.651" x2="-2.159" y2="1.905" width="0.1524"
layer="21" curve="-90"/>
<wire x1="2.159" y1="-1.905" x2="2.413" y2="-1.651" width="0.1524"
layer="21" curve="90"/>
<wire x1="-2.413" y1="-1.651" x2="-2.159" y2="-1.905" width="0.1524"
layer="21" curve="90"/>
<wire x1="0.762" y1="0" x2="0.381" y2="0" width="0.1524" layer="51"/>
<wire x1="0.381" y1="0" x2="0.254" y2="0" width="0.1524" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="0.762" width="0.254" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="-0.762" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0.762" x2="-0.254" y2="0" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.254" y2="-0.762" width="0.254"
layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.381" y2="0" width="0.1524" layer="21"/>
<wire x1="-0.381" y1="0" x2="-0.762" y2="0" width="0.1524" layer="51"/>
<pad name="1" x="-1.27" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="-2.286" y="2.159" size="1.27" layer="25"
ratio="10">>NAME</text>

<text x="-2.286" y="-3.429" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C025-050X050" urn="urn:adsk.eagle:footprint:23140/1"
library_version="11">
<description>CAPACITOR<p>
grid 2.5 mm, outline 5 x 5 mm</description>
<wire x1="-2.159" y1="2.286" x2="2.159" y2="2.286" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="-2.286" x2="-2.159" y2="-2.286" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="2.032" x2="2.413" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="-2.413" y1="2.032" x2="-2.413" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="2.286" x2="2.413" y2="2.032" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.413" y1="2.032" x2="-2.159" y2="2.286" width="0.1524"
layer="21" curve="-90"/>
<wire x1="2.159" y1="-2.286" x2="2.413" y2="-2.032" width="0.1524"
layer="21" curve="90"/>
<wire x1="-2.413" y1="-2.032" x2="-2.159" y2="-2.286" width="0.1524"
layer="21" curve="90"/>
<wire x1="0.762" y1="0" x2="0.381" y2="0" width="0.1524" layer="51"/>
<wire x1="0.381" y1="0" x2="0.254" y2="0" width="0.1524" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="0.762" width="0.254" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="-0.762" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0.762" x2="-0.254" y2="0" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.254" y2="-0.762" width="0.254"
layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.381" y2="0" width="0.1524" layer="21"/>
<wire x1="-0.381" y1="0" x2="-0.762" y2="0" width="0.1524" layer="51"/>
<pad name="1" x="-1.27" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="-2.286" y="2.54" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.286" y="-3.81" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C025-060X050" urn="urn:adsk.eagle:footprint:23141/1"
library_version="11">
<description>CAPACITOR<p>
grid 2.5 mm, outline 6 x 5 mm</description>
<wire x1="-2.159" y1="2.794" x2="2.159" y2="2.794" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="-2.794" x2="-2.159" y2="-2.794" width="0.1524"
layer="21"/>

<wire x1="2.413" y1="2.54" x2="2.413" y2="-2.54" width="0.1524"
layer="21"/>
<wire x1="-2.413" y1="2.54" x2="-2.413" y2="-2.54" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="2.794" x2="2.413" y2="2.54" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.413" y1="2.54" x2="-2.159" y2="2.794" width="0.1524"
layer="21" curve="-90"/>
<wire x1="2.159" y1="-2.794" x2="2.413" y2="-2.54" width="0.1524"
layer="21" curve="90"/>
<wire x1="-2.413" y1="-2.54" x2="-2.159" y2="-2.794" width="0.1524"
layer="21" curve="90"/>
<wire x1="0.762" y1="0" x2="0.381" y2="0" width="0.1524" layer="51"/>
<wire x1="0.381" y1="0" x2="0.254" y2="0" width="0.1524" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="0.762" width="0.254" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="-0.762" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0.762" x2="-0.254" y2="0" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.254" y2="-0.762" width="0.254"
layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.381" y2="0" width="0.1524" layer="21"/>
<wire x1="-0.381" y1="0" x2="-0.762" y2="0" width="0.1524" layer="51"/>
<pad name="1" x="-1.27" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="-2.286" y="3.048" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.032" y="-2.413" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C025_050-024X070" urn="urn:adsk.eagle:footprint:23142/1"
library_version="11">
<description>CAPACITOR<p>
grid 2.5 mm + 5 mm, outline 2.4 x 7 mm</description>
<wire x1="-2.159" y1="-0.635" x2="-2.159" y2="0.635" width="0.1524"
layer="51"/>
<wire x1="-2.159" y1="0.635" x2="-1.651" y2="1.143" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.159" y1="-0.635" x2="-1.651" y2="-1.143" width="0.1524"
layer="21" curve="90"/>
<wire x1="1.651" y1="1.143" x2="-1.651" y2="1.143" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="-0.635" x2="2.159" y2="0.635" width="0.1524"
layer="51"/>
<wire x1="1.651" y1="-1.143" x2="-1.651" y2="-1.143" width="0.1524"
layer="21"/>
<wire x1="1.651" y1="1.143" x2="2.159" y2="0.635" width="0.1524"
layer="21" curve="-90"/>

<wire x1="-4.191" y1="-1.143" x2="-3.9624" y2="-1.143" width="0.1524"
layer="21"/>
<wire x1="-4.191" y1="1.143" x2="-3.9624" y2="1.143" width="0.1524"
layer="21"/>
<wire x1="-4.699" y1="-0.635" x2="-4.191" y2="-1.143" width="0.1524"
layer="21" curve="90"/>
<wire x1="1.651" y1="-1.143" x2="2.159" y2="-0.635" width="0.1524"
layer="21" curve="90"/>
<wire x1="-4.699" y1="0.635" x2="-4.191" y2="1.143" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-4.699" y1="-0.635" x2="-4.699" y2="0.635" width="0.1524"
layer="21"/>
<wire x1="-3.429" y1="1.143" x2="-2.5654" y2="1.143" width="0.1524"
layer="21"/>
<wire x1="-3.429" y1="-1.143" x2="-2.5654" y2="-1.143" width="0.1524"
layer="21"/>
<wire x1="-0.3048" y1="0.762" x2="-0.3048" y2="-0.762" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0.762" x2="0.3302" y2="-0.762" width="0.3048"
layer="21"/>
<wire x1="1.27" y1="0" x2="0.3302" y2="0" width="0.1524" layer="51"/>
<wire x1="-1.27" y1="0" x2="-0.3048" y2="0" width="0.1524" layer="51"/>
<pad name="1" x="-3.81" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="-1.27" y="0" drill="0.8128" shape="octagon"/>
<pad name="3" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="-3.81" y="1.397" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.81" y="-2.667" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C025_050-025X075" urn="urn:adsk.eagle:footprint:23143/1"
library_version="11">
<description>CAPACITOR<p>
grid 2.5 + 5 mm, outline 2.5 x 7.5 mm</description>
<wire x1="-2.159" y1="1.27" x2="2.159" y2="1.27" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="-1.27" x2="-2.159" y2="-1.27" width="0.1524"
layer="21"/>
<wire x1="-2.413" y1="1.016" x2="-2.413" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="1.27" x2="2.413" y2="1.016" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.413" y1="1.016" x2="-2.159" y2="1.27" width="0.1524"
layer="21" curve="-90"/>
<wire x1="2.159" y1="-1.27" x2="2.413" y2="-1.016" width="0.1524"
layer="21" curve="90"/>

<wire x1="-2.413" y1="-1.016" x2="-2.159" y2="-1.27" width="0.1524"
layer="21" curve="90"/>
<wire x1="0.381" y1="0" x2="0.254" y2="0" width="0.1524" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="0.762" width="0.254" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="-0.762" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0.762" x2="-0.254" y2="0" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.254" y2="-0.762" width="0.254"
layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.381" y2="0" width="0.1524" layer="21"/>
<wire x1="-0.381" y1="0" x2="-0.762" y2="0" width="0.1524" layer="51"/>
<wire x1="4.953" y1="1.016" x2="4.953" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="4.699" y1="1.27" x2="4.953" y2="1.016" width="0.1524"
layer="21" curve="-90"/>
<wire x1="4.699" y1="-1.27" x2="4.953" y2="-1.016" width="0.1524"
layer="21" curve="90"/>
<wire x1="2.794" y1="1.27" x2="4.699" y2="1.27" width="0.1524"
layer="21"/>
<wire x1="4.699" y1="-1.27" x2="2.794" y2="-1.27" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="1.016" x2="2.413" y2="0.762" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="-0.762" x2="2.413" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="0.254" x2="2.413" y2="-0.254" width="0.1524"
layer="21"/>
<wire x1="1.778" y1="0" x2="2.286" y2="0" width="0.1524" layer="51"/>
<wire x1="2.286" y1="0" x2="2.794" y2="0" width="0.1524" layer="21"/>
<wire x1="2.794" y1="0" x2="3.302" y2="0" width="0.1524" layer="51"/>
<wire x1="0.762" y1="0" x2="0.381" y2="0" width="0.1524" layer="51"/>
<pad name="1" x="-1.27" y="0" drill="0.8128" shape="octagon"/>
<pad name="3" x="3.81" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="-2.159" y="1.651" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.159" y="-2.794" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C025_050-035X075" urn="urn:adsk.eagle:footprint:23144/1"
library_version="11">
<description>CAPACITOR<p>
grid 2.5 + 5 mm, outline 3.5 x 7.5 mm</description>
<wire x1="-2.159" y1="1.778" x2="2.159" y2="1.778" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="-1.778" x2="-2.159" y2="-1.778" width="0.1524"
layer="21"/>

<wire x1="-2.413" y1="1.524" x2="-2.413" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="1.778" x2="2.413" y2="1.524" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.413" y1="1.524" x2="-2.159" y2="1.778" width="0.1524"
layer="21" curve="-90"/>
<wire x1="2.159" y1="-1.778" x2="2.413" y2="-1.524" width="0.1524"
layer="21" curve="90"/>
<wire x1="-2.413" y1="-1.524" x2="-2.159" y2="-1.778" width="0.1524"
layer="21" curve="90"/>
<wire x1="0.381" y1="0" x2="0.254" y2="0" width="0.1524" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="0.762" width="0.254" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="-0.762" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0.762" x2="-0.254" y2="0" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.254" y2="-0.762" width="0.254"
layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.381" y2="0" width="0.1524" layer="21"/>
<wire x1="-0.381" y1="0" x2="-0.762" y2="0" width="0.1524" layer="51"/>
<wire x1="4.953" y1="1.524" x2="4.953" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="4.699" y1="1.778" x2="4.953" y2="1.524" width="0.1524"
layer="21" curve="-90"/>
<wire x1="4.699" y1="-1.778" x2="4.953" y2="-1.524" width="0.1524"
layer="21" curve="90"/>
<wire x1="2.794" y1="1.778" x2="4.699" y2="1.778" width="0.1524"
layer="21"/>
<wire x1="4.699" y1="-1.778" x2="2.794" y2="-1.778" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="1.524" x2="2.413" y2="1.016" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="-1.016" x2="2.413" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="0.508" x2="2.413" y2="-0.508" width="0.1524"
layer="21"/>
<wire x1="0.381" y1="0" x2="0.762" y2="0" width="0.1524" layer="51"/>
<wire x1="2.286" y1="0" x2="2.794" y2="0" width="0.1524" layer="21"/>
<wire x1="2.794" y1="0" x2="3.302" y2="0" width="0.1524" layer="51"/>
<wire x1="2.286" y1="0" x2="1.778" y2="0" width="0.1524" layer="51"/>
<pad name="1" x="-1.27" y="0" drill="0.8128" shape="octagon"/>
<pad name="3" x="3.81" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="-2.286" y="2.159" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.286" y="-3.302" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>

<package name="C025_050-045X075" urn="urn:adsk.eagle:footprint:23145/1"
library_version="11">
<description>CAPACITOR<p>
grid 2.5 + 5 mm, outline 4.5 x 7.5 mm</description>
<wire x1="-2.159" y1="2.286" x2="2.159" y2="2.286" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="-2.286" x2="-2.159" y2="-2.286" width="0.1524"
layer="21"/>
<wire x1="-2.413" y1="2.032" x2="-2.413" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="2.286" x2="2.413" y2="2.032" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.413" y1="2.032" x2="-2.159" y2="2.286" width="0.1524"
layer="21" curve="-90"/>
<wire x1="2.159" y1="-2.286" x2="2.413" y2="-2.032" width="0.1524"
layer="21" curve="90"/>
<wire x1="-2.413" y1="-2.032" x2="-2.159" y2="-2.286" width="0.1524"
layer="21" curve="90"/>
<wire x1="0.381" y1="0" x2="0.254" y2="0" width="0.1524" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="0.762" width="0.254" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="-0.762" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0.762" x2="-0.254" y2="0" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.254" y2="-0.762" width="0.254"
layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.381" y2="0" width="0.1524" layer="21"/>
<wire x1="-0.381" y1="0" x2="-0.762" y2="0" width="0.1524" layer="51"/>
<wire x1="4.953" y1="2.032" x2="4.953" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="4.699" y1="2.286" x2="4.953" y2="2.032" width="0.1524"
layer="21" curve="-90"/>
<wire x1="4.699" y1="-2.286" x2="4.953" y2="-2.032" width="0.1524"
layer="21" curve="90"/>
<wire x1="2.794" y1="2.286" x2="4.699" y2="2.286" width="0.1524"
layer="21"/>
<wire x1="4.699" y1="-2.286" x2="2.794" y2="-2.286" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="2.032" x2="2.413" y2="1.397" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="-1.397" x2="2.413" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="0.762" x2="2.413" y2="-0.762" width="0.1524"
layer="21"/>
<wire x1="2.286" y1="0" x2="2.794" y2="0" width="0.1524" layer="21"/>
<wire x1="2.794" y1="0" x2="3.302" y2="0" width="0.1524" layer="51"/>
<wire x1="0.381" y1="0" x2="0.762" y2="0" width="0.1524" layer="51"/>
<wire x1="2.286" y1="0" x2="1.778" y2="0" width="0.1524" layer="51"/>
<pad name="1" x="-1.27" y="0" drill="0.8128" shape="octagon"/>

<pad name="3" x="3.81" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="-2.286" y="2.667" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.286" y="-3.81" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C025_050-055X075" urn="urn:adsk.eagle:footprint:23146/1"
library_version="11">
<description>CAPACITOR<p>
grid 2.5 + 5 mm, outline 5.5 x 7.5 mm</description>
<wire x1="-2.159" y1="2.794" x2="2.159" y2="2.794" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="-2.794" x2="-2.159" y2="-2.794" width="0.1524"
layer="21"/>
<wire x1="-2.413" y1="2.54" x2="-2.413" y2="-2.54" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="2.794" x2="2.413" y2="2.54" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.413" y1="2.54" x2="-2.159" y2="2.794" width="0.1524"
layer="21" curve="-90"/>
<wire x1="2.159" y1="-2.794" x2="2.413" y2="-2.54" width="0.1524"
layer="21" curve="90"/>
<wire x1="-2.413" y1="-2.54" x2="-2.159" y2="-2.794" width="0.1524"
layer="21" curve="90"/>
<wire x1="0.381" y1="0" x2="0.254" y2="0" width="0.1524" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="0.762" width="0.254" layer="21"/>
<wire x1="0.254" y1="0" x2="0.254" y2="-0.762" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0.762" x2="-0.254" y2="0" width="0.254" layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.254" y2="-0.762" width="0.254"
layer="21"/>
<wire x1="-0.254" y1="0" x2="-0.381" y2="0" width="0.1524" layer="21"/>
<wire x1="-0.381" y1="0" x2="-0.762" y2="0" width="0.1524" layer="51"/>
<wire x1="4.953" y1="2.54" x2="4.953" y2="-2.54" width="0.1524"
layer="21"/>
<wire x1="4.699" y1="2.794" x2="4.953" y2="2.54" width="0.1524"
layer="21" curve="-90"/>
<wire x1="4.699" y1="-2.794" x2="4.953" y2="-2.54" width="0.1524"
layer="21" curve="90"/>
<wire x1="2.794" y1="2.794" x2="4.699" y2="2.794" width="0.1524"
layer="21"/>
<wire x1="4.699" y1="-2.794" x2="2.794" y2="-2.794" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="2.54" x2="2.413" y2="2.032" width="0.1524"
layer="21"/>
<wire x1="2.413" y1="-2.032" x2="2.413" y2="-2.54" width="0.1524"
layer="21"/>

<wire x1="2.413" y1="0.762" x2="2.413" y2="-0.762" width="0.1524"
layer="21"/>
<wire x1="1.778" y1="0" x2="2.286" y2="0" width="0.1524" layer="51"/>
<wire x1="2.286" y1="0" x2="2.794" y2="0" width="0.1524" layer="21"/>
<wire x1="2.794" y1="0" x2="3.302" y2="0" width="0.1524" layer="51"/>
<wire x1="0.381" y1="0" x2="0.762" y2="0" width="0.1524" layer="51"/>
<pad name="1" x="-1.27" y="0" drill="0.8128" shape="octagon"/>
<pad name="3" x="3.81" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="1.27" y="0" drill="0.8128" shape="octagon"/>
<text x="-2.286" y="3.175" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.032" y="-2.286" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C050-024X044" urn="urn:adsk.eagle:footprint:23147/1"
library_version="11">
<description>CAPACITOR<p>
grid 5 mm, outline 2.4 x 4.4 mm</description>
<wire x1="-2.159" y1="-0.635" x2="-2.159" y2="0.635" width="0.1524"
layer="51"/>
<wire x1="-2.159" y1="0.635" x2="-1.651" y2="1.143" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.159" y1="-0.635" x2="-1.651" y2="-1.143" width="0.1524"
layer="21" curve="90"/>
<wire x1="1.651" y1="1.143" x2="-1.651" y2="1.143" width="0.1524"
layer="21"/>
<wire x1="2.159" y1="-0.635" x2="2.159" y2="0.635" width="0.1524"
layer="51"/>
<wire x1="1.651" y1="-1.143" x2="-1.651" y2="-1.143" width="0.1524"
layer="21"/>
<wire x1="1.651" y1="1.143" x2="2.159" y2="0.635" width="0.1524"
layer="21" curve="-90"/>
<wire x1="1.651" y1="-1.143" x2="2.159" y2="-0.635" width="0.1524"
layer="21" curve="90"/>
<wire x1="-0.3048" y1="0.762" x2="-0.3048" y2="0" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="0" x2="-0.3048" y2="-0.762" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0.762" x2="0.3302" y2="0" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0" x2="0.3302" y2="-0.762" width="0.3048"
layer="21"/>
<wire x1="1.27" y1="0" x2="0.3302" y2="0" width="0.1524" layer="21"/>
<wire x1="-1.27" y1="0" x2="-0.3048" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-2.54" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="0.8128" shape="octagon"/>

<text x="-2.159" y="1.397" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.159" y="-2.667" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="2.159" y1="-0.381" x2="2.54" y2="0.381" layer="51"/>
<rectangle x1="-2.54" y1="-0.381" x2="-2.159" y2="0.381" layer="51"/>
</package>
<package name="C050-025X075" urn="urn:adsk.eagle:footprint:23148/1"
library_version="11">
<description>CAPACITOR<p>
grid 5 mm, outline 2.5 x 7.5 mm</description>
<wire x1="-0.3048" y1="0.635" x2="-0.3048" y2="0" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="0" x2="-0.3048" y2="-0.635" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="0" x2="-1.524" y2="0" width="0.1524" layer="21"/>
<wire x1="0.3302" y1="0.635" x2="0.3302" y2="0" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0" x2="0.3302" y2="-0.635" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0" x2="1.524" y2="0" width="0.1524" layer="21"/>
<wire x1="-3.683" y1="1.016" x2="-3.683" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="-3.429" y1="-1.27" x2="3.429" y2="-1.27" width="0.1524"
layer="21"/>
<wire x1="3.683" y1="-1.016" x2="3.683" y2="1.016" width="0.1524"
layer="21"/>
<wire x1="3.429" y1="1.27" x2="-3.429" y2="1.27" width="0.1524"
layer="21"/>
<wire x1="3.429" y1="1.27" x2="3.683" y2="1.016" width="0.1524"
layer="21" curve="-90"/>
<wire x1="3.429" y1="-1.27" x2="3.683" y2="-1.016" width="0.1524"
layer="21" curve="90"/>
<wire x1="-3.683" y1="-1.016" x2="-3.429" y2="-1.27" width="0.1524"
layer="21" curve="90"/>
<wire x1="-3.683" y1="1.016" x2="-3.429" y2="1.27" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-2.54" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="0.8128" shape="octagon"/>
<text x="-3.429" y="1.651" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.429" y="-2.794" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C050-045X075" urn="urn:adsk.eagle:footprint:23149/1"
library_version="11">
<description>CAPACITOR<p>

grid 5 mm, outline 4.5 x 7.5 mm</description>
<wire x1="-0.3048" y1="0.635" x2="-0.3048" y2="0" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="0" x2="-0.3048" y2="-0.635" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="0" x2="-1.524" y2="0" width="0.1524" layer="21"/>
<wire x1="0.3302" y1="0.635" x2="0.3302" y2="0" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0" x2="0.3302" y2="-0.635" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0" x2="1.524" y2="0" width="0.1524" layer="21"/>
<wire x1="-3.683" y1="2.032" x2="-3.683" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="-3.429" y1="-2.286" x2="3.429" y2="-2.286" width="0.1524"
layer="21"/>
<wire x1="3.683" y1="-2.032" x2="3.683" y2="2.032" width="0.1524"
layer="21"/>
<wire x1="3.429" y1="2.286" x2="-3.429" y2="2.286" width="0.1524"
layer="21"/>
<wire x1="3.429" y1="2.286" x2="3.683" y2="2.032" width="0.1524"
layer="21" curve="-90"/>
<wire x1="3.429" y1="-2.286" x2="3.683" y2="-2.032" width="0.1524"
layer="21" curve="90"/>
<wire x1="-3.683" y1="-2.032" x2="-3.429" y2="-2.286" width="0.1524"
layer="21" curve="90"/>
<wire x1="-3.683" y1="2.032" x2="-3.429" y2="2.286" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-2.54" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="0.8128" shape="octagon"/>
<text x="-3.556" y="2.667" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.556" y="-3.81" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C050-030X075" urn="urn:adsk.eagle:footprint:23150/1"
library_version="11">
<description>CAPACITOR<p>
grid 5 mm, outline 3 x 7.5 mm</description>
<wire x1="-0.3048" y1="0.635" x2="-0.3048" y2="0" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="0" x2="-0.3048" y2="-0.635" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="0" x2="-1.524" y2="0" width="0.1524" layer="21"/>
<wire x1="0.3302" y1="0.635" x2="0.3302" y2="0" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0" x2="0.3302" y2="-0.635" width="0.3048"
layer="21"/>

<wire x1="0.3302" y1="0" x2="1.524" y2="0" width="0.1524" layer="21"/>
<wire x1="-3.683" y1="1.27" x2="-3.683" y2="-1.27" width="0.1524"
layer="21"/>
<wire x1="-3.429" y1="-1.524" x2="3.429" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="3.683" y1="-1.27" x2="3.683" y2="1.27" width="0.1524"
layer="21"/>
<wire x1="3.429" y1="1.524" x2="-3.429" y2="1.524" width="0.1524"
layer="21"/>
<wire x1="3.429" y1="1.524" x2="3.683" y2="1.27" width="0.1524"
layer="21" curve="-90"/>
<wire x1="3.429" y1="-1.524" x2="3.683" y2="-1.27" width="0.1524"
layer="21" curve="90"/>
<wire x1="-3.683" y1="-1.27" x2="-3.429" y2="-1.524" width="0.1524"
layer="21" curve="90"/>
<wire x1="-3.683" y1="1.27" x2="-3.429" y2="1.524" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-2.54" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="0.8128" shape="octagon"/>
<text x="-3.556" y="1.905" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.556" y="-3.048" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C050-050X075" urn="urn:adsk.eagle:footprint:23151/1"
library_version="11">
<description>CAPACITOR<p>
grid 5 mm, outline 5 x 7.5 mm</description>
<wire x1="-0.3048" y1="0.635" x2="-0.3048" y2="0" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="0" x2="-0.3048" y2="-0.635" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="0" x2="-1.524" y2="0" width="0.1524" layer="21"/>
<wire x1="0.3302" y1="0.635" x2="0.3302" y2="0" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0" x2="0.3302" y2="-0.635" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0" x2="1.524" y2="0" width="0.1524" layer="21"/>
<wire x1="-3.683" y1="2.286" x2="-3.683" y2="-2.286" width="0.1524"
layer="21"/>
<wire x1="-3.429" y1="-2.54" x2="3.429" y2="-2.54" width="0.1524"
layer="21"/>
<wire x1="3.683" y1="-2.286" x2="3.683" y2="2.286" width="0.1524"
layer="21"/>
<wire x1="3.429" y1="2.54" x2="-3.429" y2="2.54" width="0.1524"
layer="21"/>

<wire x1="3.429" y1="2.54" x2="3.683" y2="2.286" width="0.1524"
layer="21" curve="-90"/>
<wire x1="3.429" y1="-2.54" x2="3.683" y2="-2.286" width="0.1524"
layer="21" curve="90"/>
<wire x1="-3.683" y1="-2.286" x2="-3.429" y2="-2.54" width="0.1524"
layer="21" curve="90"/>
<wire x1="-3.683" y1="2.286" x2="-3.429" y2="2.54" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-2.54" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="0.8128" shape="octagon"/>
<text x="-3.429" y="2.921" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.175" y="-2.159" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C050-055X075" urn="urn:adsk.eagle:footprint:23152/1"
library_version="11">
<description>CAPACITOR<p>
grid 5 mm, outline 5.5 x 7.5 mm</description>
<wire x1="-0.3048" y1="0.635" x2="-0.3048" y2="0" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="0" x2="-0.3048" y2="-0.635" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="0" x2="-1.524" y2="0" width="0.1524" layer="21"/>
<wire x1="0.3302" y1="0.635" x2="0.3302" y2="0" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0" x2="0.3302" y2="-0.635" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0" x2="1.524" y2="0" width="0.1524" layer="21"/>
<wire x1="-3.683" y1="2.54" x2="-3.683" y2="-2.54" width="0.1524"
layer="21"/>
<wire x1="-3.429" y1="-2.794" x2="3.429" y2="-2.794" width="0.1524"
layer="21"/>
<wire x1="3.683" y1="-2.54" x2="3.683" y2="2.54" width="0.1524"
layer="21"/>
<wire x1="3.429" y1="2.794" x2="-3.429" y2="2.794" width="0.1524"
layer="21"/>
<wire x1="3.429" y1="2.794" x2="3.683" y2="2.54" width="0.1524"
layer="21" curve="-90"/>
<wire x1="3.429" y1="-2.794" x2="3.683" y2="-2.54" width="0.1524"
layer="21" curve="90"/>
<wire x1="-3.683" y1="-2.54" x2="-3.429" y2="-2.794" width="0.1524"
layer="21" curve="90"/>
<wire x1="-3.683" y1="2.54" x2="-3.429" y2="2.794" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-2.54" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="0.8128" shape="octagon"/>

<text x="-3.429" y="3.175" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.302" y="-2.286" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C050-075X075" urn="urn:adsk.eagle:footprint:23153/1"
library_version="11">
<description>CAPACITOR<p>
grid 5 mm, outline 7.5 x 7.5 mm</description>
<wire x1="-1.524" y1="0" x2="-0.4572" y2="0" width="0.1524" layer="21"/>
<wire x1="-0.4572" y1="0" x2="-0.4572" y2="0.762" width="0.4064"
layer="21"/>
<wire x1="-0.4572" y1="0" x2="-0.4572" y2="-0.762" width="0.4064"
layer="21"/>
<wire x1="0.4318" y1="0.762" x2="0.4318" y2="0" width="0.4064"
layer="21"/>
<wire x1="0.4318" y1="0" x2="1.524" y2="0" width="0.1524" layer="21"/>
<wire x1="0.4318" y1="0" x2="0.4318" y2="-0.762" width="0.4064"
layer="21"/>
<wire x1="-3.683" y1="3.429" x2="-3.683" y2="-3.429" width="0.1524"
layer="21"/>
<wire x1="-3.429" y1="-3.683" x2="3.429" y2="-3.683" width="0.1524"
layer="21"/>
<wire x1="3.683" y1="-3.429" x2="3.683" y2="3.429" width="0.1524"
layer="21"/>
<wire x1="3.429" y1="3.683" x2="-3.429" y2="3.683" width="0.1524"
layer="21"/>
<wire x1="3.429" y1="3.683" x2="3.683" y2="3.429" width="0.1524"
layer="21" curve="-90"/>
<wire x1="3.429" y1="-3.683" x2="3.683" y2="-3.429" width="0.1524"
layer="21" curve="90"/>
<wire x1="-3.683" y1="-3.429" x2="-3.429" y2="-3.683" width="0.1524"
layer="21" curve="90"/>
<wire x1="-3.683" y1="3.429" x2="-3.429" y2="3.683" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-2.54" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="0.8128" shape="octagon"/>
<text x="-3.429" y="4.064" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.175" y="-2.921" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C050H075X075" urn="urn:adsk.eagle:footprint:23154/1"
library_version="11">
<description>CAPACITOR<p>
Horizontal, grid 5 mm, outline 7.5 x 7.5 mm</description>

<wire x1="-3.683" y1="7.112" x2="-3.683" y2="0.508" width="0.1524"
layer="21"/>
<wire x1="-3.683" y1="0.508" x2="-3.302" y2="0.508" width="0.1524"
layer="21"/>
<wire x1="-3.302" y1="0.508" x2="-1.778" y2="0.508" width="0.1524"
layer="51"/>
<wire x1="-1.778" y1="0.508" x2="1.778" y2="0.508" width="0.1524"
layer="21"/>
<wire x1="1.778" y1="0.508" x2="3.302" y2="0.508" width="0.1524"
layer="51"/>
<wire x1="3.302" y1="0.508" x2="3.683" y2="0.508" width="0.1524"
layer="21"/>
<wire x1="3.683" y1="0.508" x2="3.683" y2="7.112" width="0.1524"
layer="21"/>
<wire x1="3.175" y1="7.62" x2="-3.175" y2="7.62" width="0.1524"
layer="21"/>
<wire x1="-0.3048" y1="2.413" x2="-0.3048" y2="1.778" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="1.778" x2="-0.3048" y2="1.143" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="1.778" x2="-1.651" y2="1.778" width="0.1524"
layer="21"/>
<wire x1="0.3302" y1="2.413" x2="0.3302" y2="1.778" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="1.778" x2="0.3302" y2="1.143" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="1.778" x2="1.651" y2="1.778" width="0.1524"
layer="21"/>
<wire x1="-3.683" y1="7.112" x2="-3.175" y2="7.62" width="0.1524"
layer="21" curve="-90"/>
<wire x1="3.175" y1="7.62" x2="3.683" y2="7.112" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-2.54" y1="0" x2="-2.54" y2="0.254" width="0.508" layer="51"/>
<wire x1="2.54" y1="0" x2="2.54" y2="0.254" width="0.508" layer="51"/>
<pad name="1" x="-2.54" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="0.8128" shape="octagon"/>
<text x="-3.302" y="8.001" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.175" y="3.175" size="1.27" layer="27"
ratio="10">>VALUE</text>
<rectangle x1="-2.794" y1="0.127" x2="-2.286" y2="0.508" layer="51"/>
<rectangle x1="2.286" y1="0.127" x2="2.794" y2="0.508" layer="51"/>
</package>
<package name="C075-032X103" urn="urn:adsk.eagle:footprint:23155/1"
library_version="11">
<description>CAPACITOR<p>
grid 7.5 mm, outline 3.2 x 10.3 mm</description>

<wire x1="4.826" y1="1.524" x2="-4.826" y2="1.524" width="0.1524"
layer="21"/>
<wire x1="-5.08" y1="1.27" x2="-5.08" y2="-1.27" width="0.1524"
layer="21"/>
<wire x1="-4.826" y1="-1.524" x2="4.826" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="5.08" y1="-1.27" x2="5.08" y2="1.27" width="0.1524" layer="21"/>
<wire x1="4.826" y1="1.524" x2="5.08" y2="1.27" width="0.1524" layer="21"
curve="-90"/>
<wire x1="4.826" y1="-1.524" x2="5.08" y2="-1.27" width="0.1524"
layer="21" curve="90"/>
<wire x1="-5.08" y1="-1.27" x2="-4.826" y2="-1.524" width="0.1524"
layer="21" curve="90"/>
<wire x1="-5.08" y1="1.27" x2="-4.826" y2="1.524" width="0.1524"
layer="21" curve="-90"/>
<wire x1="0.508" y1="0" x2="2.54" y2="0" width="0.1524" layer="21"/>
<wire x1="-2.54" y1="0" x2="-0.508" y2="0" width="0.1524" layer="21"/>
<wire x1="-0.508" y1="0.889" x2="-0.508" y2="0" width="0.4064"
layer="21"/>
<wire x1="-0.508" y1="0" x2="-0.508" y2="-0.889" width="0.4064"
layer="21"/>
<wire x1="0.508" y1="0.889" x2="0.508" y2="0" width="0.4064" layer="21"/>
<wire x1="0.508" y1="0" x2="0.508" y2="-0.889" width="0.4064"
layer="21"/>
<pad name="1" x="-3.81" y="0" drill="0.9144" shape="octagon"/>
<pad name="2" x="3.81" y="0" drill="0.9144" shape="octagon"/>
<text x="-4.826" y="1.905" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-4.826" y="-3.048" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C075-042X103" urn="urn:adsk.eagle:footprint:23156/1"
library_version="11">
<description>CAPACITOR<p>
grid 7.5 mm, outline 4.2 x 10.3 mm</description>
<wire x1="4.826" y1="2.032" x2="-4.826" y2="2.032" width="0.1524"
layer="21"/>
<wire x1="-5.08" y1="1.778" x2="-5.08" y2="-1.778" width="0.1524"
layer="21"/>
<wire x1="-4.826" y1="-2.032" x2="4.826" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="5.08" y1="-1.778" x2="5.08" y2="1.778" width="0.1524"
layer="21"/>
<wire x1="4.826" y1="2.032" x2="5.08" y2="1.778" width="0.1524"
layer="21" curve="-90"/>
<wire x1="4.826" y1="-2.032" x2="5.08" y2="-1.778" width="0.1524"
layer="21" curve="90"/>

<wire x1="-5.08" y1="-1.778" x2="-4.826" y2="-2.032" width="0.1524"
layer="21" curve="90"/>
<wire x1="-5.08" y1="1.778" x2="-4.826" y2="2.032" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-1.27" y1="0" x2="2.667" y2="0" width="0.1524" layer="21"/>
<wire x1="-2.667" y1="0" x2="-2.159" y2="0" width="0.1524" layer="21"/>
<wire x1="-2.159" y1="1.27" x2="-2.159" y2="0" width="0.4064" layer="21"/>
<wire x1="-2.159" y1="0" x2="-2.159" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-1.27" y1="1.27" x2="-1.27" y2="0" width="0.4064" layer="21"/>
<wire x1="-1.27" y1="0" x2="-1.27" y2="-1.27" width="0.4064" layer="21"/>
<pad name="1" x="-3.81" y="0" drill="0.9144" shape="octagon"/>
<pad name="2" x="3.81" y="0" drill="0.9144" shape="octagon"/>
<text x="-4.699" y="2.413" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-0.635" y="-1.651" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C075-052X106" urn="urn:adsk.eagle:footprint:23157/1"
library_version="11">
<description>CAPACITOR<p>
grid 7.5 mm, outline 5.2 x 10.6 mm</description>
<wire x1="4.953" y1="2.54" x2="-4.953" y2="2.54" width="0.1524"
layer="21"/>
<wire x1="-5.207" y1="2.286" x2="-5.207" y2="-2.286" width="0.1524"
layer="21"/>
<wire x1="-4.953" y1="-2.54" x2="4.953" y2="-2.54" width="0.1524"
layer="21"/>
<wire x1="5.207" y1="-2.286" x2="5.207" y2="2.286" width="0.1524"
layer="21"/>
<wire x1="4.953" y1="2.54" x2="5.207" y2="2.286" width="0.1524"
layer="21" curve="-90"/>
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layer="21" curve="90"/>
<wire x1="-5.207" y1="-2.286" x2="-4.953" y2="-2.54" width="0.1524"
layer="21" curve="90"/>
<wire x1="-5.207" y1="2.286" x2="-4.953" y2="2.54" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-1.27" y1="0" x2="2.667" y2="0" width="0.1524" layer="21"/>
<wire x1="-2.667" y1="0" x2="-2.159" y2="0" width="0.1524" layer="21"/>
<wire x1="-2.159" y1="1.27" x2="-2.159" y2="0" width="0.4064" layer="21"/>
<wire x1="-2.159" y1="0" x2="-2.159" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-1.27" y1="1.27" x2="-1.27" y2="0" width="0.4064" layer="21"/>
<wire x1="-1.27" y1="0" x2="-1.27" y2="-1.27" width="0.4064" layer="21"/>
<pad name="1" x="-3.81" y="0" drill="0.9144" shape="octagon"/>
<pad name="2" x="3.81" y="0" drill="0.9144" shape="octagon"/>

<text x="-4.826" y="2.921" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-0.635" y="-2.032" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C102-043X133" urn="urn:adsk.eagle:footprint:23158/1"
library_version="11">
<description>CAPACITOR<p>
grid 10.2 mm, outline 4.3 x 13.3 mm</description>
<wire x1="-3.175" y1="1.27" x2="-3.175" y2="0" width="0.4064" layer="21"/>
<wire x1="-2.286" y1="1.27" x2="-2.286" y2="0" width="0.4064" layer="21"/>
<wire x1="3.81" y1="0" x2="-2.286" y2="0" width="0.1524" layer="21"/>
<wire x1="-2.286" y1="0" x2="-2.286" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-3.81" y1="0" x2="-3.175" y2="0" width="0.1524" layer="21"/>
<wire x1="-3.175" y1="0" x2="-3.175" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-6.096" y1="2.032" x2="6.096" y2="2.032" width="0.1524"
layer="21"/>
<wire x1="6.604" y1="1.524" x2="6.604" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="6.096" y1="-2.032" x2="-6.096" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="-6.604" y1="-1.524" x2="-6.604" y2="1.524" width="0.1524"
layer="21"/>
<wire x1="6.096" y1="2.032" x2="6.604" y2="1.524" width="0.1524"
layer="21" curve="-90"/>
<wire x1="6.096" y1="-2.032" x2="6.604" y2="-1.524" width="0.1524"
layer="21" curve="90"/>
<wire x1="-6.604" y1="-1.524" x2="-6.096" y2="-2.032" width="0.1524"
layer="21" curve="90"/>
<wire x1="-6.604" y1="1.524" x2="-6.096" y2="2.032" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-5.08" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="5.08" y="0" drill="1.016" shape="octagon"/>
<text x="-6.096" y="2.413" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-1.524" y="-1.651" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C102-054X133" urn="urn:adsk.eagle:footprint:23159/1"
library_version="11">
<description>CAPACITOR<p>
grid 10.2 mm, outline 5.4 x 13.3 mm</description>
<wire x1="-3.175" y1="1.27" x2="-3.175" y2="0" width="0.4064" layer="21"/>
<wire x1="-2.286" y1="1.27" x2="-2.286" y2="0" width="0.4064" layer="21"/>
<wire x1="3.81" y1="0" x2="-2.286" y2="0" width="0.1524" layer="21"/>

<wire x1="-2.286" y1="0" x2="-2.286" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-3.81" y1="0" x2="-3.175" y2="0" width="0.1524" layer="21"/>
<wire x1="-3.175" y1="0" x2="-3.175" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-6.096" y1="2.54" x2="6.096" y2="2.54" width="0.1524"
layer="21"/>
<wire x1="6.604" y1="2.032" x2="6.604" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="6.096" y1="-2.54" x2="-6.096" y2="-2.54" width="0.1524"
layer="21"/>
<wire x1="-6.604" y1="-2.032" x2="-6.604" y2="2.032" width="0.1524"
layer="21"/>
<wire x1="6.096" y1="2.54" x2="6.604" y2="2.032" width="0.1524"
layer="21" curve="-90"/>
<wire x1="6.096" y1="-2.54" x2="6.604" y2="-2.032" width="0.1524"
layer="21" curve="90"/>
<wire x1="-6.604" y1="-2.032" x2="-6.096" y2="-2.54" width="0.1524"
layer="21" curve="90"/>
<wire x1="-6.604" y1="2.032" x2="-6.096" y2="2.54" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-5.08" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="5.08" y="0" drill="1.016" shape="octagon"/>
<text x="-6.096" y="2.921" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-1.524" y="-1.905" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C102-064X133" urn="urn:adsk.eagle:footprint:23160/1"
library_version="11">
<description>CAPACITOR<p>
grid 10.2 mm, outline 6.4 x 13.3 mm</description>
<wire x1="-3.175" y1="1.27" x2="-3.175" y2="0" width="0.4064" layer="21"/>
<wire x1="-2.286" y1="1.27" x2="-2.286" y2="0" width="0.4064" layer="21"/>
<wire x1="3.81" y1="0" x2="-2.286" y2="0" width="0.1524" layer="21"/>
<wire x1="-2.286" y1="0" x2="-2.286" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-3.81" y1="0" x2="-3.175" y2="0" width="0.1524" layer="21"/>
<wire x1="-3.175" y1="0" x2="-3.175" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-6.096" y1="3.048" x2="6.096" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="6.604" y1="2.54" x2="6.604" y2="-2.54" width="0.1524"
layer="21"/>
<wire x1="6.096" y1="-3.048" x2="-6.096" y2="-3.048" width="0.1524"
layer="21"/>

<wire x1="-6.604" y1="-2.54" x2="-6.604" y2="2.54" width="0.1524"
layer="21"/>
<wire x1="6.096" y1="3.048" x2="6.604" y2="2.54" width="0.1524"
layer="21" curve="-90"/>
<wire x1="6.096" y1="-3.048" x2="6.604" y2="-2.54" width="0.1524"
layer="21" curve="90"/>
<wire x1="-6.604" y1="-2.54" x2="-6.096" y2="-3.048" width="0.1524"
layer="21" curve="90"/>
<wire x1="-6.604" y1="2.54" x2="-6.096" y2="3.048" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-5.08" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="5.08" y="0" drill="1.016" shape="octagon"/>
<text x="-6.096" y="3.429" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-1.524" y="-2.032" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C102_152-062X184" urn="urn:adsk.eagle:footprint:23161/1"
library_version="11">
<description>CAPACITOR<p>
grid 10.2 mm + 15.2 mm, outline 6.2 x 18.4 mm</description>
<wire x1="-2.286" y1="1.27" x2="-2.286" y2="0" width="0.4064" layer="21"/>
<wire x1="-2.286" y1="0" x2="-2.286" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-3.175" y1="1.27" x2="-3.175" y2="0" width="0.4064" layer="21"/>
<wire x1="-3.175" y1="0" x2="-3.175" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-3.683" y1="0" x2="-3.175" y2="0" width="0.1524" layer="21"/>
<wire x1="-2.286" y1="0" x2="3.683" y2="0" width="0.1524" layer="21"/>
<wire x1="6.477" y1="0" x2="8.636" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.096" y1="3.048" x2="6.223" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="6.223" y1="-3.048" x2="-6.096" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="-6.604" y1="-2.54" x2="-6.604" y2="2.54" width="0.1524"
layer="21"/>
<wire x1="6.223" y1="3.048" x2="6.731" y2="2.54" width="0.1524"
layer="21" curve="-90"/>
<wire x1="6.223" y1="-3.048" x2="6.731" y2="-2.54" width="0.1524"
layer="21" curve="90"/>
<wire x1="-6.604" y1="-2.54" x2="-6.096" y2="-3.048" width="0.1524"
layer="21" curve="90"/>
<wire x1="-6.604" y1="2.54" x2="-6.096" y2="3.048" width="0.1524"
layer="21" curve="-90"/>
<wire x1="6.731" y1="2.54" x2="6.731" y2="-2.54" width="0.1524"
layer="21"/>

<wire x1="11.176" y1="3.048" x2="11.684" y2="2.54" width="0.1524"
layer="21" curve="-90"/>
<wire x1="11.176" y1="-3.048" x2="11.684" y2="-2.54" width="0.1524"
layer="21" curve="90"/>
<wire x1="11.176" y1="-3.048" x2="7.112" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="7.112" y1="3.048" x2="11.176" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="11.684" y1="2.54" x2="11.684" y2="-2.54" width="0.1524"
layer="21"/>
<pad name="1" x="-5.08" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="5.08" y="0" drill="1.016" shape="octagon"/>
<pad name="3" x="10.033" y="0" drill="1.016" shape="octagon"/>
<text x="-5.969" y="3.429" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-1.524" y="-2.286" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C150-054X183" urn="urn:adsk.eagle:footprint:23162/1"
library_version="11">
<description>CAPACITOR<p>
grid 15 mm, outline 5.4 x 18.3 mm</description>
<wire x1="-5.08" y1="1.27" x2="-5.08" y2="0" width="0.4064" layer="21"/>
<wire x1="-5.08" y1="0" x2="-5.08" y2="-1.27" width="0.4064" layer="21"/>
<wire x1="-4.191" y1="1.27" x2="-4.191" y2="0" width="0.4064" layer="21"/>
<wire x1="-4.191" y1="0" x2="-4.191" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-4.191" y1="0" x2="6.096" y2="0" width="0.1524" layer="21"/>
<wire x1="-5.08" y1="0" x2="-6.096" y2="0" width="0.1524" layer="21"/>
<wire x1="9.017" y1="2.032" x2="9.017" y2="-2.032" width="0.1524"
layer="21"/>
<wire x1="8.509" y1="-2.54" x2="-8.509" y2="-2.54" width="0.1524"
layer="21"/>
<wire x1="-9.017" y1="-2.032" x2="-9.017" y2="2.032" width="0.1524"
layer="21"/>
<wire x1="-8.509" y1="2.54" x2="8.509" y2="2.54" width="0.1524"
layer="21"/>
<wire x1="8.509" y1="2.54" x2="9.017" y2="2.032" width="0.1524"
layer="21" curve="-90"/>
<wire x1="8.509" y1="-2.54" x2="9.017" y2="-2.032" width="0.1524"
layer="21" curve="90"/>
<wire x1="-9.017" y1="-2.032" x2="-8.509" y2="-2.54" width="0.1524"
layer="21" curve="90"/>
<wire x1="-9.017" y1="2.032" x2="-8.509" y2="2.54" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-7.493" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="7.493" y="0" drill="1.016" shape="octagon"/>

<text x="-8.382" y="2.921" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.429" y="-2.032" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C150-064X183" urn="urn:adsk.eagle:footprint:23163/1"
library_version="11">
<description>CAPACITOR<p>
grid 15 mm, outline 6.4 x 18.3 mm</description>
<wire x1="-5.08" y1="1.27" x2="-5.08" y2="0" width="0.4064" layer="21"/>
<wire x1="-5.08" y1="0" x2="-5.08" y2="-1.27" width="0.4064" layer="21"/>
<wire x1="-4.191" y1="1.27" x2="-4.191" y2="0" width="0.4064" layer="21"/>
<wire x1="-4.191" y1="0" x2="-4.191" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-4.191" y1="0" x2="6.096" y2="0" width="0.1524" layer="21"/>
<wire x1="-5.08" y1="0" x2="-6.096" y2="0" width="0.1524" layer="21"/>
<wire x1="9.017" y1="2.54" x2="9.017" y2="-2.54" width="0.1524"
layer="21"/>
<wire x1="8.509" y1="-3.048" x2="-8.509" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="-9.017" y1="-2.54" x2="-9.017" y2="2.54" width="0.1524"
layer="21"/>
<wire x1="-8.509" y1="3.048" x2="8.509" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="8.509" y1="3.048" x2="9.017" y2="2.54" width="0.1524"
layer="21" curve="-90"/>
<wire x1="8.509" y1="-3.048" x2="9.017" y2="-2.54" width="0.1524"
layer="21" curve="90"/>
<wire x1="-9.017" y1="-2.54" x2="-8.509" y2="-3.048" width="0.1524"
layer="21" curve="90"/>
<wire x1="-9.017" y1="2.54" x2="-8.509" y2="3.048" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-7.493" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="7.493" y="0" drill="1.016" shape="octagon"/>
<text x="-8.509" y="3.429" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.429" y="-2.032" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C150-072X183" urn="urn:adsk.eagle:footprint:23164/1"
library_version="11">
<description>CAPACITOR<p>
grid 15 mm, outline 7.2 x 18.3 mm</description>
<wire x1="-5.08" y1="1.27" x2="-5.08" y2="0" width="0.4064" layer="21"/>
<wire x1="-5.08" y1="0" x2="-5.08" y2="-1.27" width="0.4064" layer="21"/>
<wire x1="-4.191" y1="1.27" x2="-4.191" y2="0" width="0.4064" layer="21"/>

<wire x1="-4.191" y1="0" x2="-4.191" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-4.191" y1="0" x2="6.096" y2="0" width="0.1524" layer="21"/>
<wire x1="-5.08" y1="0" x2="-6.096" y2="0" width="0.1524" layer="21"/>
<wire x1="9.017" y1="3.048" x2="9.017" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="8.509" y1="-3.556" x2="-8.509" y2="-3.556" width="0.1524"
layer="21"/>
<wire x1="-9.017" y1="-3.048" x2="-9.017" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="-8.509" y1="3.556" x2="8.509" y2="3.556" width="0.1524"
layer="21"/>
<wire x1="8.509" y1="3.556" x2="9.017" y2="3.048" width="0.1524"
layer="21" curve="-90"/>
<wire x1="8.509" y1="-3.556" x2="9.017" y2="-3.048" width="0.1524"
layer="21" curve="90"/>
<wire x1="-9.017" y1="-3.048" x2="-8.509" y2="-3.556" width="0.1524"
layer="21" curve="90"/>
<wire x1="-9.017" y1="3.048" x2="-8.509" y2="3.556" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-7.493" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="7.493" y="0" drill="1.016" shape="octagon"/>
<text x="-8.509" y="3.937" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.429" y="-2.286" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C150-084X183" urn="urn:adsk.eagle:footprint:23165/1"
library_version="11">
<description>CAPACITOR<p>
grid 15 mm, outline 8.4 x 18.3 mm</description>
<wire x1="-5.08" y1="1.27" x2="-5.08" y2="0" width="0.4064" layer="21"/>
<wire x1="-5.08" y1="0" x2="-5.08" y2="-1.27" width="0.4064" layer="21"/>
<wire x1="-4.191" y1="1.27" x2="-4.191" y2="0" width="0.4064" layer="21"/>
<wire x1="-4.191" y1="0" x2="-4.191" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-4.191" y1="0" x2="6.096" y2="0" width="0.1524" layer="21"/>
<wire x1="-5.08" y1="0" x2="-6.096" y2="0" width="0.1524" layer="21"/>
<wire x1="9.017" y1="3.556" x2="9.017" y2="-3.556" width="0.1524"
layer="21"/>
<wire x1="8.509" y1="-4.064" x2="-8.509" y2="-4.064" width="0.1524"
layer="21"/>
<wire x1="-9.017" y1="-3.556" x2="-9.017" y2="3.556" width="0.1524"
layer="21"/>
<wire x1="-8.509" y1="4.064" x2="8.509" y2="4.064" width="0.1524"
layer="21"/>

<wire x1="8.509" y1="4.064" x2="9.017" y2="3.556" width="0.1524"
layer="21" curve="-90"/>
<wire x1="8.509" y1="-4.064" x2="9.017" y2="-3.556" width="0.1524"
layer="21" curve="90"/>
<wire x1="-9.017" y1="-3.556" x2="-8.509" y2="-4.064" width="0.1524"
layer="21" curve="90"/>
<wire x1="-9.017" y1="3.556" x2="-8.509" y2="4.064" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-7.493" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="7.493" y="0" drill="1.016" shape="octagon"/>
<text x="-8.509" y="4.445" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.429" y="-2.54" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C150-091X182" urn="urn:adsk.eagle:footprint:23166/1"
library_version="11">
<description>CAPACITOR<p>
grid 15 mm, outline 9.1 x 18.2 mm</description>
<wire x1="-5.08" y1="1.27" x2="-5.08" y2="0" width="0.4064" layer="21"/>
<wire x1="-5.08" y1="0" x2="-5.08" y2="-1.27" width="0.4064" layer="21"/>
<wire x1="-4.191" y1="1.27" x2="-4.191" y2="0" width="0.4064" layer="21"/>
<wire x1="-4.191" y1="0" x2="-4.191" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-4.191" y1="0" x2="6.096" y2="0" width="0.1524" layer="21"/>
<wire x1="-5.08" y1="0" x2="-6.096" y2="0" width="0.1524" layer="21"/>
<wire x1="9.017" y1="3.937" x2="9.017" y2="-3.937" width="0.1524"
layer="21"/>
<wire x1="8.509" y1="-4.445" x2="-8.509" y2="-4.445" width="0.1524"
layer="21"/>
<wire x1="-9.017" y1="-3.937" x2="-9.017" y2="3.937" width="0.1524"
layer="21"/>
<wire x1="-8.509" y1="4.445" x2="8.509" y2="4.445" width="0.1524"
layer="21"/>
<wire x1="8.509" y1="4.445" x2="9.017" y2="3.937" width="0.1524"
layer="21" curve="-90"/>
<wire x1="8.509" y1="-4.445" x2="9.017" y2="-3.937" width="0.1524"
layer="21" curve="90"/>
<wire x1="-9.017" y1="-3.937" x2="-8.509" y2="-4.445" width="0.1524"
layer="21" curve="90"/>
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layer="21" curve="-90"/>
<pad name="1" x="-7.493" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="7.493" y="0" drill="1.016" shape="octagon"/>
<text x="-8.509" y="4.826" size="1.27" layer="25"
ratio="10">>NAME</text>

<text x="-3.429" y="-2.54" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C225-062X268" urn="urn:adsk.eagle:footprint:23167/1"
library_version="11">
<description>CAPACITOR<p>
grid 22.5 mm, outline 6.2 x 26.8 mm</description>
<wire x1="-12.827" y1="3.048" x2="12.827" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="13.335" y1="2.54" x2="13.335" y2="-2.54" width="0.1524"
layer="21"/>
<wire x1="12.827" y1="-3.048" x2="-12.827" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="-13.335" y1="-2.54" x2="-13.335" y2="2.54" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="1.905" x2="-6.731" y2="0" width="0.4064"
layer="21"/>
<wire x1="-6.731" y1="0" x2="-6.731" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-7.62" y1="1.905" x2="-7.62" y2="0" width="0.4064" layer="21"/>
<wire x1="-7.62" y1="0" x2="-7.62" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="12.827" y1="3.048" x2="13.335" y2="2.54" width="0.1524"
layer="21" curve="-90"/>
<wire x1="12.827" y1="-3.048" x2="13.335" y2="-2.54" width="0.1524"
layer="21" curve="90"/>
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layer="21" curve="90"/>
<wire x1="-13.335" y1="2.54" x2="-12.827" y2="3.048" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-9.652" y1="0" x2="-7.62" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.731" y1="0" x2="9.652" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-11.303" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="11.303" y="0" drill="1.016" shape="octagon"/>
<text x="-12.7" y="3.429" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-5.08" y="-2.54" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C225-074X268" urn="urn:adsk.eagle:footprint:23168/1"
library_version="11">
<description>CAPACITOR<p>
grid 22.5 mm, outline 7.4 x 26.8 mm</description>
<wire x1="-12.827" y1="3.556" x2="12.827" y2="3.556" width="0.1524"
layer="21"/>
<wire x1="13.335" y1="3.048" x2="13.335" y2="-3.048" width="0.1524"
layer="21"/>

<wire x1="12.827" y1="-3.556" x2="-12.827" y2="-3.556" width="0.1524"
layer="21"/>
<wire x1="-13.335" y1="-3.048" x2="-13.335" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="1.905" x2="-6.731" y2="0" width="0.4064"
layer="21"/>
<wire x1="-6.731" y1="0" x2="-6.731" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-7.62" y1="1.905" x2="-7.62" y2="0" width="0.4064" layer="21"/>
<wire x1="-7.62" y1="0" x2="-7.62" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="12.827" y1="3.556" x2="13.335" y2="3.048" width="0.1524"
layer="21" curve="-90"/>
<wire x1="12.827" y1="-3.556" x2="13.335" y2="-3.048" width="0.1524"
layer="21" curve="90"/>
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layer="21" curve="90"/>
<wire x1="-13.335" y1="3.048" x2="-12.827" y2="3.556" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-9.652" y1="0" x2="-7.62" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.731" y1="0" x2="9.652" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-11.303" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="11.303" y="0" drill="1.016" shape="octagon"/>
<text x="-12.827" y="3.937" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-5.08" y="-2.54" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C225-087X268" urn="urn:adsk.eagle:footprint:23169/1"
library_version="11">
<description>CAPACITOR<p>
grid 22.5 mm, outline 8.7 x 26.8 mm</description>
<wire x1="-12.827" y1="4.318" x2="12.827" y2="4.318" width="0.1524"
layer="21"/>
<wire x1="13.335" y1="3.81" x2="13.335" y2="-3.81" width="0.1524"
layer="21"/>
<wire x1="12.827" y1="-4.318" x2="-12.827" y2="-4.318" width="0.1524"
layer="21"/>
<wire x1="-13.335" y1="-3.81" x2="-13.335" y2="3.81" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="1.905" x2="-6.731" y2="0" width="0.4064"
layer="21"/>
<wire x1="-6.731" y1="0" x2="-6.731" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-7.62" y1="1.905" x2="-7.62" y2="0" width="0.4064" layer="21"/>
<wire x1="-7.62" y1="0" x2="-7.62" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="12.827" y1="4.318" x2="13.335" y2="3.81" width="0.1524"
layer="21" curve="-90"/>

<wire x1="12.827" y1="-4.318" x2="13.335" y2="-3.81" width="0.1524"
layer="21" curve="90"/>
<wire x1="-13.335" y1="-3.81" x2="-12.827" y2="-4.318" width="0.1524"
layer="21" curve="90"/>
<wire x1="-13.335" y1="3.81" x2="-12.827" y2="4.318" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-9.652" y1="0" x2="-7.62" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.731" y1="0" x2="9.652" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-11.303" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="11.303" y="0" drill="1.016" shape="octagon"/>
<text x="-12.827" y="4.699" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-5.08" y="-2.54" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C225-108X268" urn="urn:adsk.eagle:footprint:23170/1"
library_version="11">
<description>CAPACITOR<p>
grid 22.5 mm, outline 10.8 x 26.8 mm</description>
<wire x1="-12.827" y1="5.334" x2="12.827" y2="5.334" width="0.1524"
layer="21"/>
<wire x1="13.335" y1="4.826" x2="13.335" y2="-4.826" width="0.1524"
layer="21"/>
<wire x1="12.827" y1="-5.334" x2="-12.827" y2="-5.334" width="0.1524"
layer="21"/>
<wire x1="-13.335" y1="-4.826" x2="-13.335" y2="4.826" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="1.905" x2="-6.731" y2="0" width="0.4064"
layer="21"/>
<wire x1="-6.731" y1="0" x2="-6.731" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-7.62" y1="1.905" x2="-7.62" y2="0" width="0.4064" layer="21"/>
<wire x1="-7.62" y1="0" x2="-7.62" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="12.827" y1="5.334" x2="13.335" y2="4.826" width="0.1524"
layer="21" curve="-90"/>
<wire x1="12.827" y1="-5.334" x2="13.335" y2="-4.826" width="0.1524"
layer="21" curve="90"/>
<wire x1="-13.335" y1="-4.826" x2="-12.827" y2="-5.334" width="0.1524"
layer="21" curve="90"/>
<wire x1="-13.335" y1="4.826" x2="-12.827" y2="5.334" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-9.652" y1="0" x2="-7.62" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.731" y1="0" x2="9.652" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-11.303" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="11.303" y="0" drill="1.016" shape="octagon"/>
<text x="-12.954" y="5.715" size="1.778" layer="25"
ratio="10">>NAME</text>

<text x="-5.08" y="-2.54" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C225-113X268" urn="urn:adsk.eagle:footprint:23171/1"
library_version="11">
<description>CAPACITOR<p>
grid 22.5 mm, outline 11.3 x 26.8 mm</description>
<wire x1="-12.827" y1="5.588" x2="12.827" y2="5.588" width="0.1524"
layer="21"/>
<wire x1="13.335" y1="5.08" x2="13.335" y2="-5.08" width="0.1524"
layer="21"/>
<wire x1="12.827" y1="-5.588" x2="-12.827" y2="-5.588" width="0.1524"
layer="21"/>
<wire x1="-13.335" y1="-5.08" x2="-13.335" y2="5.08" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="1.905" x2="-6.731" y2="0" width="0.4064"
layer="21"/>
<wire x1="-6.731" y1="0" x2="-6.731" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-7.62" y1="1.905" x2="-7.62" y2="0" width="0.4064" layer="21"/>
<wire x1="-7.62" y1="0" x2="-7.62" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="12.827" y1="5.588" x2="13.335" y2="5.08" width="0.1524"
layer="21" curve="-90"/>
<wire x1="12.827" y1="-5.588" x2="13.335" y2="-5.08" width="0.1524"
layer="21" curve="90"/>
<wire x1="-13.335" y1="-5.08" x2="-12.827" y2="-5.588" width="0.1524"
layer="21" curve="90"/>
<wire x1="-13.335" y1="5.08" x2="-12.827" y2="5.588" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-9.652" y1="0" x2="-7.62" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.731" y1="0" x2="9.652" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-11.303" y="0" drill="1.016" shape="octagon"/>
<pad name="2" x="11.303" y="0" drill="1.016" shape="octagon"/>
<text x="-12.954" y="5.969" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-5.08" y="-2.54" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C275-093X316" urn="urn:adsk.eagle:footprint:23172/1"
library_version="11">
<description>CAPACITOR<p>
grid 27.5 mm, outline 9.3 x 31.6 mm</description>
<wire x1="-15.24" y1="4.572" x2="15.24" y2="4.572" width="0.1524"
layer="21"/>
<wire x1="15.748" y1="4.064" x2="15.748" y2="-4.064" width="0.1524"
layer="21"/>

<wire x1="15.24" y1="-4.572" x2="-15.24" y2="-4.572" width="0.1524"
layer="21"/>
<wire x1="-15.748" y1="-4.064" x2="-15.748" y2="4.064" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="1.905" x2="-6.731" y2="0" width="0.4064"
layer="21"/>
<wire x1="-6.731" y1="0" x2="-6.731" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-7.62" y1="1.905" x2="-7.62" y2="0" width="0.4064" layer="21"/>
<wire x1="-7.62" y1="0" x2="-7.62" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="15.24" y1="4.572" x2="15.748" y2="4.064" width="0.1524"
layer="21" curve="-90"/>
<wire x1="15.24" y1="-4.572" x2="15.748" y2="-4.064" width="0.1524"
layer="21" curve="90"/>
<wire x1="-15.748" y1="-4.064" x2="-15.24" y2="-4.572" width="0.1524"
layer="21" curve="90"/>
<wire x1="-15.748" y1="4.064" x2="-15.24" y2="4.572" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-11.557" y1="0" x2="-7.62" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.731" y1="0" x2="11.557" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-13.716" y="0" drill="1.1938" shape="octagon"/>
<pad name="2" x="13.716" y="0" drill="1.1938" shape="octagon"/>
<text x="-15.24" y="4.953" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-5.08" y="-2.54" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C275-113X316" urn="urn:adsk.eagle:footprint:23173/1"
library_version="11">
<description>CAPACITOR<p>
grid 27.5 mm, outline 11.3 x 31.6 mm</description>
<wire x1="-15.24" y1="5.588" x2="15.24" y2="5.588" width="0.1524"
layer="21"/>
<wire x1="15.748" y1="5.08" x2="15.748" y2="-5.08" width="0.1524"
layer="21"/>
<wire x1="15.24" y1="-5.588" x2="-15.24" y2="-5.588" width="0.1524"
layer="21"/>
<wire x1="-15.748" y1="-5.08" x2="-15.748" y2="5.08" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="1.905" x2="-6.731" y2="0" width="0.4064"
layer="21"/>
<wire x1="-6.731" y1="0" x2="-6.731" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-7.62" y1="1.905" x2="-7.62" y2="0" width="0.4064" layer="21"/>
<wire x1="-7.62" y1="0" x2="-7.62" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="15.24" y1="5.588" x2="15.748" y2="5.08" width="0.1524"
layer="21" curve="-90"/>

<wire x1="15.24" y1="-5.588" x2="15.748" y2="-5.08" width="0.1524"
layer="21" curve="90"/>
<wire x1="-15.748" y1="-5.08" x2="-15.24" y2="-5.588" width="0.1524"
layer="21" curve="90"/>
<wire x1="-15.748" y1="5.08" x2="-15.24" y2="5.588" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-11.557" y1="0" x2="-7.62" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.731" y1="0" x2="11.557" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-13.716" y="0" drill="1.1938" shape="octagon"/>
<pad name="2" x="13.716" y="0" drill="1.1938" shape="octagon"/>
<text x="-15.24" y="5.969" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-5.08" y="-2.54" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C275-134X316" urn="urn:adsk.eagle:footprint:23174/1"
library_version="11">
<description>CAPACITOR<p>
grid 27.5 mm, outline 13.4 x 31.6 mm</description>
<wire x1="-15.24" y1="6.604" x2="15.24" y2="6.604" width="0.1524"
layer="21"/>
<wire x1="15.748" y1="6.096" x2="15.748" y2="-6.096" width="0.1524"
layer="21"/>
<wire x1="15.24" y1="-6.604" x2="-15.24" y2="-6.604" width="0.1524"
layer="21"/>
<wire x1="-15.748" y1="-6.096" x2="-15.748" y2="6.096" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="1.905" x2="-6.731" y2="0" width="0.4064"
layer="21"/>
<wire x1="-6.731" y1="0" x2="-6.731" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-7.62" y1="1.905" x2="-7.62" y2="0" width="0.4064" layer="21"/>
<wire x1="-7.62" y1="0" x2="-7.62" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="15.24" y1="6.604" x2="15.748" y2="6.096" width="0.1524"
layer="21" curve="-90"/>
<wire x1="15.24" y1="-6.604" x2="15.748" y2="-6.096" width="0.1524"
layer="21" curve="90"/>
<wire x1="-15.748" y1="-6.096" x2="-15.24" y2="-6.604" width="0.1524"
layer="21" curve="90"/>
<wire x1="-15.748" y1="6.096" x2="-15.24" y2="6.604" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-11.557" y1="0" x2="-7.62" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.731" y1="0" x2="11.557" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-13.716" y="0" drill="1.1938" shape="octagon"/>
<pad name="2" x="13.716" y="0" drill="1.1938" shape="octagon"/>
<text x="-15.24" y="6.985" size="1.778" layer="25"
ratio="10">>NAME</text>

<text x="-5.08" y="-2.54" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C275-205X316" urn="urn:adsk.eagle:footprint:23175/1"
library_version="11">
<description>CAPACITOR<p>
grid 27.5 mm, outline 20.5 x 31.6 mm</description>
<wire x1="-15.24" y1="10.16" x2="15.24" y2="10.16" width="0.1524"
layer="21"/>
<wire x1="15.748" y1="9.652" x2="15.748" y2="-9.652" width="0.1524"
layer="21"/>
<wire x1="15.24" y1="-10.16" x2="-15.24" y2="-10.16" width="0.1524"
layer="21"/>
<wire x1="-15.748" y1="-9.652" x2="-15.748" y2="9.652" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="1.905" x2="-6.731" y2="0" width="0.4064"
layer="21"/>
<wire x1="-6.731" y1="0" x2="-6.731" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-7.62" y1="1.905" x2="-7.62" y2="0" width="0.4064" layer="21"/>
<wire x1="-7.62" y1="0" x2="-7.62" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="15.24" y1="10.16" x2="15.748" y2="9.652" width="0.1524"
layer="21" curve="-90"/>
<wire x1="15.24" y1="-10.16" x2="15.748" y2="-9.652" width="0.1524"
layer="21" curve="90"/>
<wire x1="-15.748" y1="-9.652" x2="-15.24" y2="-10.16" width="0.1524"
layer="21" curve="90"/>
<wire x1="-15.748" y1="9.652" x2="-15.24" y2="10.16" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-11.557" y1="0" x2="-7.62" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.731" y1="0" x2="11.557" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-13.716" y="0" drill="1.1938" shape="octagon"/>
<pad name="2" x="13.716" y="0" drill="1.1938" shape="octagon"/>
<text x="-15.24" y="10.541" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-5.08" y="-4.318" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C325-137X374" urn="urn:adsk.eagle:footprint:23176/1"
library_version="11">
<description>CAPACITOR<p>
grid 32.5 mm, outline 13.7 x 37.4 mm</description>
<wire x1="-14.2748" y1="0" x2="-12.7" y2="0" width="0.1524" layer="21"/>
<wire x1="-12.7" y1="1.905" x2="-12.7" y2="0" width="0.4064" layer="21"/>
<wire x1="-11.811" y1="1.905" x2="-11.811" y2="0" width="0.4064"
layer="21"/>
<wire x1="-11.811" y1="0" x2="14.2748" y2="0" width="0.1524" layer="21"/>

<wire x1="-11.811" y1="0" x2="-11.811" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-12.7" y1="0" x2="-12.7" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="18.542" y1="6.731" x2="18.542" y2="-6.731" width="0.1524"
layer="21"/>
<wire x1="-18.542" y1="6.731" x2="-18.542" y2="-6.731" width="0.1524"
layer="21"/>
<wire x1="-18.542" y1="-6.731" x2="18.542" y2="-6.731" width="0.1524"
layer="21"/>
<wire x1="18.542" y1="6.731" x2="-18.542" y2="6.731" width="0.1524"
layer="21"/>
<pad name="1" x="-16.256" y="0" drill="1.1938" shape="octagon"/>
<pad name="2" x="16.256" y="0" drill="1.1938" shape="octagon"/>
<text x="-18.2372" y="7.0612" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-10.8458" y="-2.8702" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C325-162X374" urn="urn:adsk.eagle:footprint:23177/1"
library_version="11">
<description>CAPACITOR<p>
grid 32.5 mm, outline 16.2 x 37.4 mm</description>
<wire x1="-14.2748" y1="0" x2="-12.7" y2="0" width="0.1524" layer="21"/>
<wire x1="-12.7" y1="1.905" x2="-12.7" y2="0" width="0.4064" layer="21"/>
<wire x1="-11.811" y1="1.905" x2="-11.811" y2="0" width="0.4064"
layer="21"/>
<wire x1="-11.811" y1="0" x2="14.2748" y2="0" width="0.1524" layer="21"/>
<wire x1="-11.811" y1="0" x2="-11.811" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-12.7" y1="0" x2="-12.7" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="18.542" y1="8.001" x2="18.542" y2="-8.001" width="0.1524"
layer="21"/>
<wire x1="-18.542" y1="8.001" x2="-18.542" y2="-8.001" width="0.1524"
layer="21"/>
<wire x1="-18.542" y1="-8.001" x2="18.542" y2="-8.001" width="0.1524"
layer="21"/>
<wire x1="18.542" y1="8.001" x2="-18.542" y2="8.001" width="0.1524"
layer="21"/>
<pad name="1" x="-16.256" y="0" drill="1.1938" shape="octagon"/>
<pad name="2" x="16.256" y="0" drill="1.1938" shape="octagon"/>
<text x="-18.3642" y="8.3312" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-10.8458" y="-2.8702" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C325-182X374" urn="urn:adsk.eagle:footprint:23178/1"
library_version="11">

<description>CAPACITOR<p>
grid 32.5 mm, outline 18.2 x 37.4 mm</description>
<wire x1="-14.2748" y1="0" x2="-12.7" y2="0" width="0.1524" layer="21"/>
<wire x1="-12.7" y1="1.905" x2="-12.7" y2="0" width="0.4064" layer="21"/>
<wire x1="-11.811" y1="1.905" x2="-11.811" y2="0" width="0.4064"
layer="21"/>
<wire x1="-11.811" y1="0" x2="14.2748" y2="0" width="0.1524" layer="21"/>
<wire x1="-11.811" y1="0" x2="-11.811" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-12.7" y1="0" x2="-12.7" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="18.542" y1="9.017" x2="18.542" y2="-9.017" width="0.1524"
layer="21"/>
<wire x1="-18.542" y1="9.017" x2="-18.542" y2="-9.017" width="0.1524"
layer="21"/>
<wire x1="-18.542" y1="-9.017" x2="18.542" y2="-9.017" width="0.1524"
layer="21"/>
<wire x1="18.542" y1="9.017" x2="-18.542" y2="9.017" width="0.1524"
layer="21"/>
<pad name="1" x="-16.256" y="0" drill="1.1938" shape="octagon"/>
<pad name="2" x="16.256" y="0" drill="1.1938" shape="octagon"/>
<text x="-18.3642" y="9.3472" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-10.8458" y="-2.8702" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C375-192X418" urn="urn:adsk.eagle:footprint:23179/1"
library_version="11">
<description>CAPACITOR<p>
grid 37.5 mm, outline 19.2 x 41.8 mm</description>
<wire x1="-20.32" y1="8.509" x2="20.32" y2="8.509" width="0.1524"
layer="21"/>
<wire x1="20.828" y1="8.001" x2="20.828" y2="-8.001" width="0.1524"
layer="21"/>
<wire x1="20.32" y1="-8.509" x2="-20.32" y2="-8.509" width="0.1524"
layer="21"/>
<wire x1="-20.828" y1="-8.001" x2="-20.828" y2="8.001" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="1.905" x2="-6.731" y2="0" width="0.4064"
layer="21"/>
<wire x1="-6.731" y1="0" x2="-6.731" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-7.62" y1="1.905" x2="-7.62" y2="0" width="0.4064" layer="21"/>
<wire x1="-7.62" y1="0" x2="-7.62" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="20.32" y1="8.509" x2="20.828" y2="8.001" width="0.1524"
layer="21" curve="-90"/>
<wire x1="20.32" y1="-8.509" x2="20.828" y2="-8.001" width="0.1524"
layer="21" curve="90"/>

<wire x1="-20.828" y1="-8.001" x2="-20.32" y2="-8.509" width="0.1524"
layer="21" curve="90"/>
<wire x1="-20.828" y1="8.001" x2="-20.32" y2="8.509" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-16.002" y1="0" x2="-7.62" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.731" y1="0" x2="16.002" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-18.796" y="0" drill="1.3208" shape="octagon"/>
<pad name="2" x="18.796" y="0" drill="1.3208" shape="octagon"/>
<text x="-20.447" y="8.89" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-5.08" y="-2.54" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C375-203X418" urn="urn:adsk.eagle:footprint:23180/1"
library_version="11">
<description>CAPACITOR<p>
grid 37.5 mm, outline 20.3 x 41.8 mm</description>
<wire x1="-20.32" y1="10.16" x2="20.32" y2="10.16" width="0.1524"
layer="21"/>
<wire x1="20.828" y1="9.652" x2="20.828" y2="-9.652" width="0.1524"
layer="21"/>
<wire x1="20.32" y1="-10.16" x2="-20.32" y2="-10.16" width="0.1524"
layer="21"/>
<wire x1="-20.828" y1="-9.652" x2="-20.828" y2="9.652" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="1.905" x2="-6.731" y2="0" width="0.4064"
layer="21"/>
<wire x1="-6.731" y1="0" x2="-6.731" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-7.62" y1="1.905" x2="-7.62" y2="0" width="0.4064" layer="21"/>
<wire x1="-7.62" y1="0" x2="-7.62" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="20.32" y1="10.16" x2="20.828" y2="9.652" width="0.1524"
layer="21" curve="-90"/>
<wire x1="20.32" y1="-10.16" x2="20.828" y2="-9.652" width="0.1524"
layer="21" curve="90"/>
<wire x1="-20.828" y1="-9.652" x2="-20.32" y2="-10.16" width="0.1524"
layer="21" curve="90"/>
<wire x1="-20.828" y1="9.652" x2="-20.32" y2="10.16" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-16.002" y1="0" x2="-7.62" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.731" y1="0" x2="16.002" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-18.796" y="0" drill="1.3208" shape="octagon"/>
<pad name="2" x="18.796" y="0" drill="1.3208" shape="octagon"/>
<text x="-20.32" y="10.541" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-5.08" y="-2.54" size="1.778" layer="27"
ratio="10">>VALUE</text>

</package>
<package name="C050-035X075" urn="urn:adsk.eagle:footprint:23181/1"
library_version="11">
<description>CAPACITOR<p>
grid 5 mm, outline 3.5 x 7.5 mm</description>
<wire x1="-0.3048" y1="0.635" x2="-0.3048" y2="0" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="0" x2="-0.3048" y2="-0.635" width="0.3048"
layer="21"/>
<wire x1="-0.3048" y1="0" x2="-1.524" y2="0" width="0.1524" layer="21"/>
<wire x1="0.3302" y1="0.635" x2="0.3302" y2="0" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0" x2="0.3302" y2="-0.635" width="0.3048"
layer="21"/>
<wire x1="0.3302" y1="0" x2="1.524" y2="0" width="0.1524" layer="21"/>
<wire x1="-3.683" y1="1.524" x2="-3.683" y2="-1.524" width="0.1524"
layer="21"/>
<wire x1="-3.429" y1="-1.778" x2="3.429" y2="-1.778" width="0.1524"
layer="21"/>
<wire x1="3.683" y1="-1.524" x2="3.683" y2="1.524" width="0.1524"
layer="21"/>
<wire x1="3.429" y1="1.778" x2="-3.429" y2="1.778" width="0.1524"
layer="21"/>
<wire x1="3.429" y1="1.778" x2="3.683" y2="1.524" width="0.1524"
layer="21" curve="-90"/>
<wire x1="3.429" y1="-1.778" x2="3.683" y2="-1.524" width="0.1524"
layer="21" curve="90"/>
<wire x1="-3.683" y1="-1.524" x2="-3.429" y2="-1.778" width="0.1524"
layer="21" curve="90"/>
<wire x1="-3.683" y1="1.524" x2="-3.429" y2="1.778" width="0.1524"
layer="21" curve="-90"/>
<pad name="1" x="-2.54" y="0" drill="0.8128" shape="octagon"/>
<pad name="2" x="2.54" y="0" drill="0.8128" shape="octagon"/>
<text x="-3.556" y="2.159" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-3.556" y="-3.429" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C375-155X418" urn="urn:adsk.eagle:footprint:23182/1"
library_version="11">
<description>CAPACITOR<p>
grid 37.5 mm, outline 15.5 x 41.8 mm</description>
<wire x1="-20.32" y1="7.62" x2="20.32" y2="7.62" width="0.1524"
layer="21"/>
<wire x1="20.828" y1="7.112" x2="20.828" y2="-7.112" width="0.1524"
layer="21"/>

<wire x1="20.32" y1="-7.62" x2="-20.32" y2="-7.62" width="0.1524"
layer="21"/>
<wire x1="-20.828" y1="-7.112" x2="-20.828" y2="7.112" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="1.905" x2="-6.731" y2="0" width="0.4064"
layer="21"/>
<wire x1="-6.731" y1="0" x2="-6.731" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-7.62" y1="1.905" x2="-7.62" y2="0" width="0.4064" layer="21"/>
<wire x1="-7.62" y1="0" x2="-7.62" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="20.32" y1="7.62" x2="20.828" y2="7.112" width="0.1524"
layer="21" curve="-90"/>
<wire x1="20.32" y1="-7.62" x2="20.828" y2="-7.112" width="0.1524"
layer="21" curve="90"/>
<wire x1="-20.828" y1="-7.112" x2="-20.32" y2="-7.62" width="0.1524"
layer="21" curve="90"/>
<wire x1="-20.828" y1="7.112" x2="-20.32" y2="7.62" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-16.002" y1="0" x2="-7.62" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.731" y1="0" x2="16.002" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-18.796" y="0" drill="1.3208" shape="octagon"/>
<pad name="2" x="18.796" y="0" drill="1.3208" shape="octagon"/>
<text x="-20.447" y="8.001" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-5.08" y="-2.54" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C075-063X106" urn="urn:adsk.eagle:footprint:23183/1"
library_version="11">
<description>CAPACITOR<p>
grid 7.5 mm, outline 6.3 x 10.6 mm</description>
<wire x1="4.953" y1="3.048" x2="-4.953" y2="3.048" width="0.1524"
layer="21"/>
<wire x1="-5.207" y1="2.794" x2="-5.207" y2="-2.794" width="0.1524"
layer="21"/>
<wire x1="-4.953" y1="-3.048" x2="4.953" y2="-3.048" width="0.1524"
layer="21"/>
<wire x1="5.207" y1="-2.794" x2="5.207" y2="2.794" width="0.1524"
layer="21"/>
<wire x1="4.953" y1="3.048" x2="5.207" y2="2.794" width="0.1524"
layer="21" curve="-90"/>
<wire x1="4.953" y1="-3.048" x2="5.207" y2="-2.794" width="0.1524"
layer="21" curve="90"/>
<wire x1="-5.207" y1="-2.794" x2="-4.953" y2="-3.048" width="0.1524"
layer="21" curve="90"/>
<wire x1="-5.207" y1="2.794" x2="-4.953" y2="3.048" width="0.1524"
layer="21" curve="-90"/>

<wire x1="-1.27" y1="0" x2="2.667" y2="0" width="0.1524" layer="21"/>
<wire x1="-2.667" y1="0" x2="-2.159" y2="0" width="0.1524" layer="21"/>
<wire x1="-2.159" y1="1.27" x2="-2.159" y2="0" width="0.4064" layer="21"/>
<wire x1="-2.159" y1="0" x2="-2.159" y2="-1.27" width="0.4064"
layer="21"/>
<wire x1="-1.27" y1="1.27" x2="-1.27" y2="0" width="0.4064" layer="21"/>
<wire x1="-1.27" y1="0" x2="-1.27" y2="-1.27" width="0.4064" layer="21"/>
<pad name="1" x="-3.81" y="0" drill="0.9144" shape="octagon"/>
<pad name="2" x="3.81" y="0" drill="0.9144" shape="octagon"/>
<text x="-4.826" y="3.429" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-0.635" y="-2.54" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C275-154X316" urn="urn:adsk.eagle:footprint:23184/1"
library_version="11">
<description>CAPACITOR<p>
grid 27.5 mm, outline 15.4 x 31.6 mm</description>
<wire x1="-15.24" y1="7.62" x2="15.24" y2="7.62" width="0.1524"
layer="21"/>
<wire x1="15.748" y1="7.112" x2="15.748" y2="-7.112" width="0.1524"
layer="21"/>
<wire x1="15.24" y1="-7.62" x2="-15.24" y2="-7.62" width="0.1524"
layer="21"/>
<wire x1="-15.748" y1="-7.112" x2="-15.748" y2="7.112" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="1.905" x2="-6.731" y2="0" width="0.4064"
layer="21"/>
<wire x1="-6.731" y1="0" x2="-6.731" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-7.62" y1="1.905" x2="-7.62" y2="0" width="0.4064" layer="21"/>
<wire x1="-7.62" y1="0" x2="-7.62" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="15.24" y1="7.62" x2="15.748" y2="7.112" width="0.1524"
layer="21" curve="-90"/>
<wire x1="15.24" y1="-7.62" x2="15.748" y2="-7.112" width="0.1524"
layer="21" curve="90"/>
<wire x1="-15.748" y1="-7.112" x2="-15.24" y2="-7.62" width="0.1524"
layer="21" curve="90"/>
<wire x1="-15.748" y1="7.112" x2="-15.24" y2="7.62" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-11.557" y1="0" x2="-7.62" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.731" y1="0" x2="11.557" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-13.716" y="0" drill="1.1938" shape="octagon"/>
<pad name="2" x="13.716" y="0" drill="1.1938" shape="octagon"/>
<text x="-15.24" y="8.001" size="1.778" layer="25"
ratio="10">>NAME</text>

<text x="-5.08" y="-2.54" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C275-173X316" urn="urn:adsk.eagle:footprint:23185/1"
library_version="11">
<description>CAPACITOR<p>
grid 27.5 mm, outline 17.3 x 31.6 mm</description>
<wire x1="-15.24" y1="8.509" x2="15.24" y2="8.509" width="0.1524"
layer="21"/>
<wire x1="15.748" y1="8.001" x2="15.748" y2="-8.001" width="0.1524"
layer="21"/>
<wire x1="15.24" y1="-8.509" x2="-15.24" y2="-8.509" width="0.1524"
layer="21"/>
<wire x1="-15.748" y1="-8.001" x2="-15.748" y2="8.001" width="0.1524"
layer="21"/>
<wire x1="-6.731" y1="1.905" x2="-6.731" y2="0" width="0.4064"
layer="21"/>
<wire x1="-6.731" y1="0" x2="-6.731" y2="-1.905" width="0.4064"
layer="21"/>
<wire x1="-7.62" y1="1.905" x2="-7.62" y2="0" width="0.4064" layer="21"/>
<wire x1="-7.62" y1="0" x2="-7.62" y2="-1.905" width="0.4064" layer="21"/>
<wire x1="15.24" y1="8.509" x2="15.748" y2="8.001" width="0.1524"
layer="21" curve="-90"/>
<wire x1="15.24" y1="-8.509" x2="15.748" y2="-8.001" width="0.1524"
layer="21" curve="90"/>
<wire x1="-15.748" y1="-8.001" x2="-15.24" y2="-8.509" width="0.1524"
layer="21" curve="90"/>
<wire x1="-15.748" y1="8.001" x2="-15.24" y2="8.509" width="0.1524"
layer="21" curve="-90"/>
<wire x1="-11.557" y1="0" x2="-7.62" y2="0" width="0.1524" layer="21"/>
<wire x1="-6.731" y1="0" x2="11.557" y2="0" width="0.1524" layer="21"/>
<pad name="1" x="-13.716" y="0" drill="1.1938" shape="octagon"/>
<pad name="2" x="13.716" y="0" drill="1.1938" shape="octagon"/>
<text x="-15.24" y="8.89" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-5.08" y="-2.54" size="1.778" layer="27"
ratio="10">>VALUE</text>
</package>
<package name="C0402K" urn="urn:adsk.eagle:footprint:23186/1"
library_version="11">
<description>Ceramic Chip Capacitor KEMET 0204 reflow
solder<p>
Metric Code Size 1005</description>
<wire x1="-0.425" y1="0.2" x2="0.425" y2="0.2" width="0.1016" layer="51"/>
<wire x1="0.425" y1="-0.2" x2="-0.425" y2="-0.2" width="0.1016"
layer="51"/>
<smd name="1" x="-0.6" y="0" dx="0.925" dy="0.74" layer="1"/>

<smd name="2" x="0.6" y="0" dx="0.925" dy="0.74" layer="1"/>
<text x="-0.5" y="0.425" size="1.016" layer="25">>NAME</text>
<text x="-0.5" y="-1.45" size="1.016" layer="27">>VALUE</text>
<rectangle x1="-0.5" y1="-0.25" x2="-0.225" y2="0.25" layer="51"/>
<rectangle x1="0.225" y1="-0.25" x2="0.5" y2="0.25" layer="51"/>
</package>
<package name="C0603K" urn="urn:adsk.eagle:footprint:23187/1"
library_version="11">
<description>Ceramic Chip Capacitor KEMET 0603 reflow
solder<p>
Metric Code Size 1608</description>
<wire x1="-0.725" y1="0.35" x2="0.725" y2="0.35" width="0.1016"
layer="51"/>
<wire x1="0.725" y1="-0.35" x2="-0.725" y2="-0.35" width="0.1016"
layer="51"/>
<smd name="1" x="-0.875" y="0" dx="1.05" dy="1.08" layer="1"/>
<smd name="2" x="0.875" y="0" dx="1.05" dy="1.08" layer="1"/>
<text x="-0.8" y="0.65" size="1.016" layer="25">>NAME</text>
<text x="-0.8" y="-1.65" size="1.016" layer="27">>VALUE</text>
<rectangle x1="-0.8" y1="-0.4" x2="-0.45" y2="0.4" layer="51"/>
<rectangle x1="0.45" y1="-0.4" x2="0.8" y2="0.4" layer="51"/>
</package>
<package name="C0805K" urn="urn:adsk.eagle:footprint:23188/1"
library_version="11">
<description>Ceramic Chip Capacitor KEMET 0805 reflow
solder<p>
Metric Code Size 2012</description>
<wire x1="-0.925" y1="0.6" x2="0.925" y2="0.6" width="0.1016" layer="51"/>
<wire x1="0.925" y1="-0.6" x2="-0.925" y2="-0.6" width="0.1016"
layer="51"/>
<smd name="1" x="-1" y="0" dx="1.3" dy="1.6" layer="1"/>
<smd name="2" x="1" y="0" dx="1.3" dy="1.6" layer="1"/>
<text x="-1" y="0.875" size="1.016" layer="25">>NAME</text>
<text x="-1" y="-1.9" size="1.016" layer="27">>VALUE</text>
<rectangle x1="-1" y1="-0.65" x2="-0.5" y2="0.65" layer="51"/>
<rectangle x1="0.5" y1="-0.65" x2="1" y2="0.65" layer="51"/>
</package>
<package name="C1206K" urn="urn:adsk.eagle:footprint:23189/1"
library_version="11">
<description>Ceramic Chip Capacitor KEMET 1206 reflow
solder<p>
Metric Code Size 3216</description>
<wire x1="-1.525" y1="0.75" x2="1.525" y2="0.75" width="0.1016"
layer="51"/>
<wire x1="1.525" y1="-0.75" x2="-1.525" y2="-0.75" width="0.1016"
layer="51"/>
<smd name="1" x="-1.5" y="0" dx="1.5" dy="2" layer="1"/>

<smd name="2" x="1.5" y="0" dx="1.5" dy="2" layer="1"/>
<text x="-1.6" y="1.1" size="1.016" layer="25">>NAME</text>
<text x="-1.6" y="-2.1" size="1.016" layer="27">>VALUE</text>
<rectangle x1="-1.6" y1="-0.8" x2="-1.1" y2="0.8" layer="51"/>
<rectangle x1="1.1" y1="-0.8" x2="1.6" y2="0.8" layer="51"/>
</package>
<package name="C1210K" urn="urn:adsk.eagle:footprint:23190/1"
library_version="11">
<description>Ceramic Chip Capacitor KEMET 1210 reflow
solder<p>
Metric Code Size 3225</description>
<wire x1="-1.525" y1="1.175" x2="1.525" y2="1.175" width="0.1016"
layer="51"/>
<wire x1="1.525" y1="-1.175" x2="-1.525" y2="-1.175" width="0.1016"
layer="51"/>
<smd name="1" x="-1.5" y="0" dx="1.5" dy="2.9" layer="1"/>
<smd name="2" x="1.5" y="0" dx="1.5" dy="2.9" layer="1"/>
<text x="-1.6" y="1.55" size="1.016" layer="25">>NAME</text>
<text x="-1.6" y="-2.575" size="1.016" layer="27">>VALUE</text>
<rectangle x1="-1.6" y1="-1.25" x2="-1.1" y2="1.25" layer="51"/>
<rectangle x1="1.1" y1="-1.25" x2="1.6" y2="1.25" layer="51"/>
</package>
<package name="C1812K" urn="urn:adsk.eagle:footprint:23191/1"
library_version="11">
<description>Ceramic Chip Capacitor KEMET 1812 reflow
solder<p>
Metric Code Size 4532</description>
<wire x1="-2.175" y1="1.525" x2="2.175" y2="1.525" width="0.1016"
layer="51"/>
<wire x1="2.175" y1="-1.525" x2="-2.175" y2="-1.525" width="0.1016"
layer="51"/>
<smd name="1" x="-2.05" y="0" dx="1.8" dy="3.7" layer="1"/>
<smd name="2" x="2.05" y="0" dx="1.8" dy="3.7" layer="1"/>
<text x="-2.25" y="1.95" size="1.016" layer="25">>NAME</text>
<text x="-2.25" y="-2.975" size="1.016" layer="27">>VALUE</text>
<rectangle x1="-2.25" y1="-1.6" x2="-1.65" y2="1.6" layer="51"/>
<rectangle x1="1.65" y1="-1.6" x2="2.25" y2="1.6" layer="51"/>
</package>
<package name="C1825K" urn="urn:adsk.eagle:footprint:23192/1"
library_version="11">
<description>Ceramic Chip Capacitor KEMET 1825 reflow
solder<p>
Metric Code Size 4564</description>
<wire x1="-1.525" y1="3.125" x2="1.525" y2="3.125" width="0.1016"
layer="51"/>
<wire x1="1.525" y1="-3.125" x2="-1.525" y2="-3.125" width="0.1016"
layer="51"/>

<smd name="1" x="-1.5" y="0" dx="1.8" dy="6.9" layer="1"/>
<smd name="2" x="1.5" y="0" dx="1.8" dy="6.9" layer="1"/>
<text x="-1.6" y="3.55" size="1.016" layer="25">>NAME</text>
<text x="-1.6" y="-4.625" size="1.016" layer="27">>VALUE</text>
<rectangle x1="-1.6" y1="-3.2" x2="-1.1" y2="3.2" layer="51"/>
<rectangle x1="1.1" y1="-3.2" x2="1.6" y2="3.2" layer="51"/>
</package>
<package name="C2220K" urn="urn:adsk.eagle:footprint:23193/1"
library_version="11">
<description>Ceramic Chip Capacitor KEMET 2220 reflow
solder<p>Metric Code Size 5650</description>
<wire x1="-2.725" y1="2.425" x2="2.725" y2="2.425" width="0.1016"
layer="51"/>
<wire x1="2.725" y1="-2.425" x2="-2.725" y2="-2.425" width="0.1016"
layer="51"/>
<smd name="1" x="-2.55" y="0" dx="1.85" dy="5.5" layer="1"/>
<smd name="2" x="2.55" y="0" dx="1.85" dy="5.5" layer="1"/>
<text x="-2.8" y="2.95" size="1.016" layer="25">>NAME</text>
<text x="-2.8" y="-3.975" size="1.016" layer="27">>VALUE</text>
<rectangle x1="-2.8" y1="-2.5" x2="-2.2" y2="2.5" layer="51"/>
<rectangle x1="2.2" y1="-2.5" x2="2.8" y2="2.5" layer="51"/>
</package>
<package name="C2225K" urn="urn:adsk.eagle:footprint:23194/1"
library_version="11">
<description>Ceramic Chip Capacitor KEMET 2225 reflow
solder<p>Metric Code Size 5664</description>
<wire x1="-2.725" y1="3.075" x2="2.725" y2="3.075" width="0.1016"
layer="51"/>
<wire x1="2.725" y1="-3.075" x2="-2.725" y2="-3.075" width="0.1016"
layer="51"/>
<smd name="1" x="-2.55" y="0" dx="1.85" dy="6.8" layer="1"/>
<smd name="2" x="2.55" y="0" dx="1.85" dy="6.8" layer="1"/>
<text x="-2.8" y="3.6" size="1.016" layer="25">>NAME</text>
<text x="-2.8" y="-4.575" size="1.016" layer="27">>VALUE</text>
<rectangle x1="-2.8" y1="-3.15" x2="-2.2" y2="3.15" layer="51"/>
<rectangle x1="2.2" y1="-3.15" x2="2.8" y2="3.15" layer="51"/>
</package>
<package name="HPC0201" urn="urn:adsk.eagle:footprint:25783/1"
library_version="11">
<description> <p>
Source: http://www.vishay.com/docs/10129/hpc0201a.pdf</description>
<smd name="1" x="-0.18" y="0" dx="0.2" dy="0.35" layer="1"/>
<smd name="2" x="0.18" y="0" dx="0.2" dy="0.35" layer="1"/>
<text x="-0.75" y="0.74" size="1.27" layer="25">>NAME</text>
<text x="-0.785" y="-1.865" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-0.305" y1="-0.15" x2="0.305" y2="0.15" layer="51"/>
</package>

<package name="C0201" urn="urn:adsk.eagle:footprint:23196/1"
library_version="11">
<description>Source:
http://www.avxcorp.com/docs/catalogs/cx5r.pdf</description>
<smd name="1" x="-0.25" y="0" dx="0.25" dy="0.35" layer="1"/>
<smd name="2" x="0.25" y="0" dx="0.25" dy="0.35" layer="1"/>
<text x="-0.635" y="0.635" size="1.27" layer="25">>NAME</text>
<text x="-0.635" y="-1.905" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-0.3" y1="-0.15" x2="-0.15" y2="0.15" layer="51"/>
<rectangle x1="0.15" y1="-0.15" x2="0.3" y2="0.15" layer="51"/>
<rectangle x1="-0.15" y1="0.1" x2="0.15" y2="0.15" layer="51"/>
<rectangle x1="-0.15" y1="-0.15" x2="0.15" y2="-0.1" layer="51"/>
</package>
<package name="C1808" urn="urn:adsk.eagle:footprint:23197/1"
library_version="11">
<description>CAPACITOR<p>
Source: AVX .. aphvc.pdf</description>
<wire x1="-1.4732" y1="0.9502" x2="1.4732" y2="0.9502" width="0.1016"
layer="51"/>
<wire x1="-1.4478" y1="-0.9502" x2="1.4732" y2="-0.9502" width="0.1016"
layer="51"/>
<smd name="1" x="-1.95" y="0" dx="1.6" dy="2.2" layer="1"/>
<smd name="2" x="1.95" y="0" dx="1.6" dy="2.2" layer="1"/>
<text x="-2.233" y="1.827" size="1.27" layer="25">>NAME</text>
<text x="-2.233" y="-2.842" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-2.275" y1="-1.015" x2="-1.225" y2="1.015" layer="51"/>
<rectangle x1="1.225" y1="-1.015" x2="2.275" y2="1.015" layer="51"/>
</package>
<package name="C3640" urn="urn:adsk.eagle:footprint:23198/1"
library_version="11">
<description>CAPACITOR<p>
Source: AVX .. aphvc.pdf</description>
<wire x1="-3.8322" y1="5.0496" x2="3.8322" y2="5.0496" width="0.1016"
layer="51"/>
<wire x1="-3.8322" y1="-5.0496" x2="3.8322" y2="-5.0496" width="0.1016"
layer="51"/>
<smd name="1" x="-4.267" y="0" dx="2.6" dy="10.7" layer="1"/>
<smd name="2" x="4.267" y="0" dx="2.6" dy="10.7" layer="1"/>
<text x="-4.647" y="6.465" size="1.27" layer="25">>NAME</text>
<text x="-4.647" y="-7.255" size="1.27" layer="27">>VALUE</text>
<rectangle x1="-4.57" y1="-5.1" x2="-3.05" y2="5.1" layer="51"/>
<rectangle x1="3.05" y1="-5.1" x2="4.5688" y2="5.1" layer="51"/>
</package>
<package name="C01005" urn="urn:adsk.eagle:footprint:23199/1"
library_version="11">
<description>CAPACITOR</description>
<rectangle x1="-0.1999" y1="-0.3" x2="0.1999" y2="0.3" layer="35"/>

<rectangle x1="-0.2" y1="-0.1" x2="-0.075" y2="0.1" layer="51"/>
<rectangle x1="0.075" y1="-0.1" x2="0.2" y2="0.1" layer="51"/>
<rectangle x1="-0.15" y1="0.05" x2="0.15" y2="0.1" layer="51"/>
<rectangle x1="-0.15" y1="-0.1" x2="0.15" y2="-0.05" layer="51"/>
<smd name="1" x="-0.1625" y="0" dx="0.2" dy="0.25" layer="1"/>
<smd name="2" x="0.1625" y="0" dx="0.2" dy="0.25" layer="1"/>
<text x="-0.4" y="0.3" size="1.27" layer="25">>NAME</text>
<text x="-0.4" y="-1.6" size="1.27" layer="27">>VALUE</text>
</package>
</packages>
<packages3d>
<package3d name="R0402" urn="urn:adsk.eagle:package:23547/3"
type="model" library_version="11">
<description>Chip RESISTOR 0402 EIA (1005 Metric)</description>
<packageinstances>
<packageinstance name="R0402"/>
</packageinstances>
</package3d>
<package3d name="R0603" urn="urn:adsk.eagle:package:23555/3"
type="model" library_version="11">
<description>RESISTOR</description>
<packageinstances>
<packageinstance name="R0603"/>
</packageinstances>
</package3d>
<package3d name="R0805" urn="urn:adsk.eagle:package:23553/2"
type="model" library_version="11">
<description>RESISTOR</description>
<packageinstances>
<packageinstance name="R0805"/>
</packageinstances>
</package3d>
<package3d name="R0805W" urn="urn:adsk.eagle:package:23537/2"
type="model" library_version="11">
<description>RESISTOR wave soldering</description>
<packageinstances>
<packageinstance name="R0805W"/>
</packageinstances>
</package3d>
<package3d name="R1206" urn="urn:adsk.eagle:package:23540/2"
type="model" library_version="11">
<description>RESISTOR</description>
<packageinstances>
<packageinstance name="R1206"/>
</packageinstances>
</package3d>

<package3d name="R1206W" urn="urn:adsk.eagle:package:23539/2"
type="model" library_version="11">
<description>RESISTOR
wave soldering</description>
<packageinstances>
<packageinstance name="R1206W"/>
</packageinstances>
</package3d>
<package3d name="R1210" urn="urn:adsk.eagle:package:23554/2"
type="model" library_version="11">
<description>RESISTOR</description>
<packageinstances>
<packageinstance name="R1210"/>
</packageinstances>
</package3d>
<package3d name="R1210W" urn="urn:adsk.eagle:package:23541/2"
type="model" library_version="11">
<description>RESISTOR
wave soldering</description>
<packageinstances>
<packageinstance name="R1210W"/>
</packageinstances>
</package3d>
<package3d name="R2010" urn="urn:adsk.eagle:package:23551/2"
type="model" library_version="11">
<description>RESISTOR</description>
<packageinstances>
<packageinstance name="R2010"/>
</packageinstances>
</package3d>
<package3d name="R2010W" urn="urn:adsk.eagle:package:23542/2"
type="model" library_version="11">
<description>RESISTOR
wave soldering</description>
<packageinstances>
<packageinstance name="R2010W"/>
</packageinstances>
</package3d>
<package3d name="R2012" urn="urn:adsk.eagle:package:23543/2"
type="model" library_version="11">
<description>RESISTOR</description>
<packageinstances>
<packageinstance name="R2012"/>
</packageinstances>
</package3d>
<package3d name="R2012W" urn="urn:adsk.eagle:package:23544/2"
type="model" library_version="11">

<description>RESISTOR
wave soldering</description>
<packageinstances>
<packageinstance name="R2012W"/>
</packageinstances>
</package3d>
<package3d name="R2512" urn="urn:adsk.eagle:package:23545/2"
type="model" library_version="11">
<description>RESISTOR</description>
<packageinstances>
<packageinstance name="R2512"/>
</packageinstances>
</package3d>
<package3d name="R2512W" urn="urn:adsk.eagle:package:23565/2"
type="model" library_version="11">
<description>RESISTOR
wave soldering</description>
<packageinstances>
<packageinstance name="R2512W"/>
</packageinstances>
</package3d>
<package3d name="R3216" urn="urn:adsk.eagle:package:23557/2"
type="model" library_version="11">
<description>RESISTOR</description>
<packageinstances>
<packageinstance name="R3216"/>
</packageinstances>
</package3d>
<package3d name="R3216W" urn="urn:adsk.eagle:package:23548/2"
type="model" library_version="11">
<description>RESISTOR
wave soldering</description>
<packageinstances>
<packageinstance name="R3216W"/>
</packageinstances>
</package3d>
<package3d name="R3225" urn="urn:adsk.eagle:package:23549/2"
type="model" library_version="11">
<description>RESISTOR</description>
<packageinstances>
<packageinstance name="R3225"/>
</packageinstances>
</package3d>
<package3d name="R3225W" urn="urn:adsk.eagle:package:23550/2"
type="model" library_version="11">
<description>RESISTOR
wave soldering</description>

<packageinstances>
<packageinstance name="R3225W"/>
</packageinstances>
</package3d>
<package3d name="R5025" urn="urn:adsk.eagle:package:23552/2"
type="model" library_version="11">
<description>RESISTOR</description>
<packageinstances>
<packageinstance name="R5025"/>
</packageinstances>
</package3d>
<package3d name="R5025W" urn="urn:adsk.eagle:package:23558/2"
type="model" library_version="11">
<description>RESISTOR
wave soldering</description>
<packageinstances>
<packageinstance name="R5025W"/>
</packageinstances>
</package3d>
<package3d name="R6332" urn="urn:adsk.eagle:package:23559/2"
type="model" library_version="11">
<description>RESISTOR
Source:
http://download.siliconexpert.com/pdfs/2005/02/24/Semi_Ap/2/VSH/Resistor/
dcrcwfre.pdf</description>
<packageinstances>
<packageinstance name="R6332"/>
</packageinstances>
</package3d>
<package3d name="R6332W" urn="urn:adsk.eagle:package:26078/2"
type="model" library_version="11">
<description>RESISTOR wave soldering
Source:
http://download.siliconexpert.com/pdfs/2005/02/24/Semi_Ap/2/VSH/Resistor/
dcrcwfre.pdf</description>
<packageinstances>
<packageinstance name="R6332W"/>
</packageinstances>
</package3d>
<package3d name="M0805" urn="urn:adsk.eagle:package:23556/2"
type="model" library_version="11">
<description>RESISTOR
MELF 0.10 W</description>
<packageinstances>
<packageinstance name="M0805"/>
</packageinstances>
</package3d>

<package3d name="M1206" urn="urn:adsk.eagle:package:23566/2"
type="model" library_version="11">
<description>RESISTOR
MELF 0.25 W</description>
<packageinstances>
<packageinstance name="M1206"/>
</packageinstances>
</package3d>
<package3d name="M1406" urn="urn:adsk.eagle:package:23569/2"
type="model" library_version="11">
<description>RESISTOR
MELF 0.12 W</description>
<packageinstances>
<packageinstance name="M1406"/>
</packageinstances>
</package3d>
<package3d name="M2012" urn="urn:adsk.eagle:package:23561/2"
type="model" library_version="11">
<description>RESISTOR
MELF 0.10 W</description>
<packageinstances>
<packageinstance name="M2012"/>
</packageinstances>
</package3d>
<package3d name="M2309" urn="urn:adsk.eagle:package:23562/2"
type="model" library_version="11">
<description>RESISTOR
MELF 0.25 W</description>
<packageinstances>
<packageinstance name="M2309"/>
</packageinstances>
</package3d>
<package3d name="M3216" urn="urn:adsk.eagle:package:23563/2"
type="model" library_version="11">
<description>RESISTOR
MELF 0.25 W</description>
<packageinstances>
<packageinstance name="M3216"/>
</packageinstances>
</package3d>
<package3d name="M3516" urn="urn:adsk.eagle:package:23573/2"
type="model" library_version="11">
<description>RESISTOR
MELF 0.12 W</description>
<packageinstances>
<packageinstance name="M3516"/>
</packageinstances>

</package3d>
<package3d name="M5923" urn="urn:adsk.eagle:package:23564/3"
type="model" library_version="11">
<description>RESISTOR
MELF 0.25 W</description>
<packageinstances>
<packageinstance name="M5923"/>
</packageinstances>
</package3d>
<package3d name="0204/5" urn="urn:adsk.eagle:package:23488/1"
type="box" library_version="11">
<description>RESISTOR
type 0204, grid 5 mm</description>
<packageinstances>
<packageinstance name="0204/5"/>
</packageinstances>
</package3d>
<package3d name="0204/7" urn="urn:adsk.eagle:package:23498/2"
type="model" library_version="11">
<description>RESISTOR
type 0204, grid 7.5 mm</description>
<packageinstances>
<packageinstance name="0204/7"/>
</packageinstances>
</package3d>
<package3d name="0204V" urn="urn:adsk.eagle:package:23495/1" type="box"
library_version="11">
<description>RESISTOR
type 0204, grid 2.5 mm</description>
<packageinstances>
<packageinstance name="0204V"/>
</packageinstances>
</package3d>
<package3d name="0207/10" urn="urn:adsk.eagle:package:23491/2"
type="model" library_version="11">
<description>RESISTOR
type 0207, grid 10 mm</description>
<packageinstances>
<packageinstance name="0207/10"/>
</packageinstances>
</package3d>
<package3d name="0207/12" urn="urn:adsk.eagle:package:23489/1"
type="box" library_version="11">
<description>RESISTOR
type 0207, grid 12 mm</description>
<packageinstances>
<packageinstance name="0207/12"/>

</packageinstances>
</package3d>
<package3d name="0207/15" urn="urn:adsk.eagle:package:23492/1"
type="box" library_version="11">
<description>RESISTOR
type 0207, grid 15mm</description>
<packageinstances>
<packageinstance name="0207/15"/>
</packageinstances>
</package3d>
<package3d name="0207/2V" urn="urn:adsk.eagle:package:23490/1"
type="box" library_version="11">
<description>RESISTOR
type 0207, grid 2.5 mm</description>
<packageinstances>
<packageinstance name="0207/2V"/>
</packageinstances>
</package3d>
<package3d name="0207/5V" urn="urn:adsk.eagle:package:23502/1"
type="box" library_version="11">
<description>RESISTOR
type 0207, grid 5 mm</description>
<packageinstances>
<packageinstance name="0207/5V"/>
</packageinstances>
</package3d>
<package3d name="0207/7" urn="urn:adsk.eagle:package:23493/2"
type="model" library_version="11">
<description>RESISTOR
type 0207, grid 7.5 mm</description>
<packageinstances>
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</packageinstances>
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<package3d name="0309/10" urn="urn:adsk.eagle:package:23567/2"
type="model" library_version="11">
<description>RESISTOR
type 0309, grid 10mm</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="0309/12" urn="urn:adsk.eagle:package:23571/1"
type="box" library_version="11">
<description>RESISTOR
type 0309, grid 12.5 mm</description>
<packageinstances>

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</packageinstances>
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<package3d name="0309V" urn="urn:adsk.eagle:package:23572/1" type="box"
library_version="11">
<description>RESISTOR
type 0309, grid 2.5 mm</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="0411/12" urn="urn:adsk.eagle:package:23578/1"
type="box" library_version="11">
<description>RESISTOR
type 0411, grid 12.5 mm</description>
<packageinstances>
<packageinstance name="0411/12"/>
</packageinstances>
</package3d>
<package3d name="0411/15" urn="urn:adsk.eagle:package:23568/2"
type="model" library_version="11">
<description>RESISTOR
type 0411, grid 15 mm</description>
<packageinstances>
<packageinstance name="0411/15"/>
</packageinstances>
</package3d>
<package3d name="0411V" urn="urn:adsk.eagle:package:23570/1" type="box"
library_version="11">
<description>RESISTOR
type 0411, grid 3.81 mm</description>
<packageinstances>
<packageinstance name="0411V"/>
</packageinstances>
</package3d>
<package3d name="0414/15" urn="urn:adsk.eagle:package:23579/2"
type="model" library_version="11">
<description>RESISTOR
type 0414, grid 15 mm</description>
<packageinstances>
<packageinstance name="0414/15"/>
</packageinstances>
</package3d>
<package3d name="0414V" urn="urn:adsk.eagle:package:23574/1" type="box"
library_version="11">
<description>RESISTOR
type 0414, grid 5 mm</description>

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</package3d>
<package3d name="0617/17" urn="urn:adsk.eagle:package:23575/2"
type="model" library_version="11">
<description>RESISTOR
type 0617, grid 17.5 mm</description>
<packageinstances>
<packageinstance name="0617/17"/>
</packageinstances>
</package3d>
<package3d name="0617/22" urn="urn:adsk.eagle:package:23577/1"
type="box" library_version="11">
<description>RESISTOR
type 0617, grid 22.5 mm</description>
<packageinstances>
<packageinstance name="0617/22"/>
</packageinstances>
</package3d>
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library_version="11">
<description>RESISTOR
type 0617, grid 5 mm</description>
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</packageinstances>
</package3d>
<package3d name="0922/22" urn="urn:adsk.eagle:package:23580/2"
type="model" library_version="11">
<description>RESISTOR
type 0922, grid 22.5 mm</description>
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</packageinstances>
</package3d>
<package3d name="P0613V" urn="urn:adsk.eagle:package:23582/1"
type="box" library_version="11">
<description>RESISTOR
type 0613, grid 5 mm</description>
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</packageinstances>
</package3d>
<package3d name="P0613/15" urn="urn:adsk.eagle:package:23581/2"
type="model" library_version="11">
<description>RESISTOR

type 0613, grid 15 mm</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="P0817/22" urn="urn:adsk.eagle:package:23583/1"
type="box" library_version="11">
<description>RESISTOR
type 0817, grid 22.5 mm</description>
<packageinstances>
<packageinstance name="P0817/22"/>
</packageinstances>
</package3d>
<package3d name="P0817V" urn="urn:adsk.eagle:package:23608/1"
type="box" library_version="11">
<description>RESISTOR
type 0817, grid 6.35 mm</description>
<packageinstances>
<packageinstance name="P0817V"/>
</packageinstances>
</package3d>
<package3d name="V234/12" urn="urn:adsk.eagle:package:23592/1"
type="box" library_version="11">
<description>RESISTOR
type V234, grid 12.5 mm</description>
<packageinstances>
<packageinstance name="V234/12"/>
</packageinstances>
</package3d>
<package3d name="V235/17" urn="urn:adsk.eagle:package:23586/2"
type="model" library_version="11">
<description>RESISTOR
type V235, grid 17.78 mm</description>
<packageinstances>
<packageinstance name="V235/17"/>
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</package3d>
<package3d name="V526-0" urn="urn:adsk.eagle:package:23590/1"
type="box" library_version="11">
<description>RESISTOR
type V526-0, grid 2.5 mm</description>
<packageinstances>
<packageinstance name="V526-0"/>
</packageinstances>
</package3d>
<package3d name="MINI_MELF-0102R" urn="urn:adsk.eagle:package:23591/2"
type="model" library_version="11">

<description>CECC Size RC2211 Reflow Soldering
source Beyschlag</description>
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</packageinstances>
</package3d>
<package3d name="MINI_MELF-0102W" urn="urn:adsk.eagle:package:23588/2"
type="model" library_version="11">
<description>CECC Size RC2211 Wave Soldering
source Beyschlag</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="MINI_MELF-0204R" urn="urn:adsk.eagle:package:26109/2"
type="model" library_version="11">
<description>CECC Size RC3715 Reflow Soldering
source Beyschlag</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="MINI_MELF-0204W" urn="urn:adsk.eagle:package:26111/2"
type="model" library_version="11">
<description>CECC Size RC3715 Wave Soldering
source Beyschlag</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="MINI_MELF-0207R" urn="urn:adsk.eagle:package:26113/2"
type="model" library_version="11">
<description>CECC Size RC6123 Reflow Soldering
source Beyschlag</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="MINI_MELF-0207W" urn="urn:adsk.eagle:package:26112/2"
type="model" library_version="11">
<description>CECC Size RC6123 Wave Soldering
source Beyschlag</description>
<packageinstances>
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</packageinstances>
</package3d>

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<description>RESISTOR
type 0922, grid 7.5 mm</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="RDH/15" urn="urn:adsk.eagle:package:23595/1" type="box" library_version="11">
<description>RESISTOR
type RDH, grid 15 mm</description>
<packageinstances>
<packageinstance name="RDH/15"/>
</packageinstances>
</package3d>
<package3d name="MINI_MELF-0102AX" urn="urn:adsk.eagle:package:23594/1" type="box" library_version="11">
<description>Mini MELF 0102 Axial</description>
<packageinstances>
<packageinstance name="MINI_MELF-0102AX"/>
</packageinstances>
</package3d>
<package3d name="R0201" urn="urn:adsk.eagle:package:26117/2" type="model" library_version="11">
<description>RESISTOR chip
Source: http://www.vishay.com/docs/20008/dcrcw.pdf</description>
<packageinstances>
<packageinstance name="R0201"/>
</packageinstances>
</package3d>
<package3d name="VTA52" urn="urn:adsk.eagle:package:26116/2" type="model" library_version="11">
<description>Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements
MIL SIZE RBR52
Source: VISHAY .. vta56.pdf</description>
<packageinstances>
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</packageinstances>
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<package3d name="VTA53" urn="urn:adsk.eagle:package:26118/2" type="model" library_version="11">
<description>Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements
MIL SIZE RBR53
Source: VISHAY .. vta56.pdf</description>

<packageinstances>
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<package3d name="VTA54" urn="urn:adsk.eagle:package:26119/2"
type="model" library_version="11">
<description>Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets
or Exceeds MIL-R-39005 Requirements
MIL SIZE RBR54
Source: VISHAY .. vta56.pdf</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="VTA55" urn="urn:adsk.eagle:package:26120/2"
type="model" library_version="11">
<description>Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets
or Exceeds MIL-R-39005 Requirements
MIL SIZE RBR55
Source: VISHAY .. vta56.pdf</description>
<packageinstances>
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<package3d name="VTA56" urn="urn:adsk.eagle:package:26129/3"
type="model" library_version="11">
<description>Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets
or Exceeds MIL-R-39005 Requirements
MIL SIZE RBR56
Source: VISHAY .. vta56.pdf</description>
<packageinstances>
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</package3d>
<package3d name="VMTA55" urn="urn:adsk.eagle:package:26121/2"
type="model" library_version="11">
<description>Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets
or Exceeds MIL-R-39005 Requirements
MIL SIZE RNC55
Source: VISHAY .. vta56.pdf</description>
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type="model" library_version="11">

<description>Bulk Metal® Foil Technology, Tubular Axial Lead Resistors, Meets or Exceeds MIL-R-39005 Requirements
MIL SIZE RNC60
Source: VISHAY .. vta56.pdf</description>
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</packageinstances>
</package3d>
<package3d name="R4527" urn="urn:adsk.eagle:package:13310/2" type="model" library_version="11">
<description>Package 4527
Source: http://www.vishay.com/docs/31059/wsrhigh.pdf</description>
<packageinstances>
<packageinstance name="R4527"/>
</packageinstances>
</package3d>
<package3d name="WSC0001" urn="urn:adsk.eagle:package:26123/2" type="model" library_version="11">
<description>Wirewound Resistors, Precision Power
Source: VISHAY wscwsn.pdf</description>
<packageinstances>
<packageinstance name="WSC0001"/>
</packageinstances>
</package3d>
<package3d name="WSC0002" urn="urn:adsk.eagle:package:26125/2" type="model" library_version="11">
<description>Wirewound Resistors, Precision Power
Source: VISHAY wscwsn.pdf</description>
<packageinstances>
<packageinstance name="WSC0002"/>
</packageinstances>
</package3d>
<package3d name="WSC01/2" urn="urn:adsk.eagle:package:26127/2" type="model" library_version="11">
<description>Wirewound Resistors, Precision Power
Source: VISHAY wscwsn.pdf</description>
<packageinstances>
<packageinstance name="WSC01/2"/>
</packageinstances>
</package3d>
<package3d name="WSC2515" urn="urn:adsk.eagle:package:26134/2" type="model" library_version="11">
<description>Wirewound Resistors, Precision Power
Source: VISHAY wscwsn.pdf</description>
<packageinstances>
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</package3d>
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type="model" library_version="11">
<description>Wirewound Resistors, Precision Power
Source: VISHAY wscwsn.pdf</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="WSC6927" urn="urn:adsk.eagle:package:26128/2"
type="model" library_version="11">
<description>Wirewound Resistors, Precision Power
Source: VISHAY wscwsn.pdf</description>
<packageinstances>
<packageinstance name="WSC6927"/>
</packageinstances>
</package3d>
<package3d name="R1218" urn="urn:adsk.eagle:package:26131/2"
type="model" library_version="11">
<description>CRCW1218 Thick Film, Rectangular Chip Resistors
Source: http://www.vishay.com .. dcrcw.pdf</description>
<packageinstances>
<packageinstance name="R1218"/>
</packageinstances>
</package3d>
<package3d name="1812X7R" urn="urn:adsk.eagle:package:26130/2"
type="model" library_version="11">
<description>Chip Monolithic Ceramic Capacitors Medium Voltage High
Capacitance for General Use
Source: http://www.murata.com .. GRM43DR72E224KW01.pdf</description>
<packageinstances>
<packageinstance name="1812X7R"/>
</packageinstances>
</package3d>
<package3d name="PRL1632" urn="urn:adsk.eagle:package:26132/2"
type="model" library_version="11">
<description>PRL1632 are realized as 1W for 3.2 × 1.6mm(1206)
Source: http://www.mouser.com/ds/2/392/products_18-2245.pdf</description>
<packageinstances>
<packageinstance name="PRL1632"/>
</packageinstances>
</package3d>
<package3d name="R01005" urn="urn:adsk.eagle:package:26133/2"
type="model" library_version="11">
<description>Chip, 0.40 X 0.20 X 0.16 mm body
<p>Chip package with body size 0.40 X 0.20 X 0.16
mm</p></description>

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</packageinstances>
</package3d>
<package3d name="CAPC1005X60" urn="urn:adsk.eagle:package:23626/2"
type="model" library_version="11">
<description>Chip, 1.00 X 0.50 X 0.60 mm body
<p>Chip package with body size 1.00 X 0.50 X 0.60
mm</p></description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="C0504" urn="urn:adsk.eagle:package:23624/2"
type="model" library_version="11">
<description>CAPACITOR</description>
<packageinstances>
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</package3d>
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type="model" library_version="11">
<description>CAPACITOR</description>
<packageinstances>
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</package3d>
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type="model" library_version="11">
<description>CAPACITOR</description>
<packageinstances>
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</package3d>
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type="model" library_version="11">
<description>CAPACITOR</description>
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</package3d>
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type="model" library_version="11">
<description>CAPACITOR</description>
<packageinstances>
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</packageinstances>

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type="model" library_version="11">
<description>CAPACITOR</description>
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</package3d>
<package3d name="C1608" urn="urn:adsk.eagle:package:23621/2"
type="model" library_version="11">
<description>CAPACITOR</description>
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</packageinstances>
</package3d>
<package3d name="C1812" urn="urn:adsk.eagle:package:23622/2"
type="model" library_version="11">
<description>CAPACITOR</description>
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<package3d name="C1825" urn="urn:adsk.eagle:package:23623/2"
type="model" library_version="11">
<description>CAPACITOR</description>
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</packageinstances>
</package3d>
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type="model" library_version="11">
<description>CAPACITOR</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="C3216" urn="urn:adsk.eagle:package:23628/2"
type="model" library_version="11">
<description>CAPACITOR</description>
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type="model" library_version="11">
<description>CAPACITOR</description>
<packageinstances>

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type="model" library_version="11">
<description>CAPACITOR</description>
<packageinstances>
<packageinstance name="C4532"/>
</packageinstances>
</package3d>
<package3d name="C4564" urn="urn:adsk.eagle:package:23648/2"
type="model" library_version="11">
<description>CAPACITOR</description>
<packageinstances>
<packageinstance name="C4564"/>
</packageinstances>
</package3d>
<package3d name="C025-024X044" urn="urn:adsk.eagle:package:23630/1"
type="box" library_version="11">
<description>CAPACITOR
grid 2.5 mm, outline 2.4 x 4.4 mm</description>
<packageinstances>
<packageinstance name="C025-024X044"/>
</packageinstances>
</package3d>
<package3d name="C025-025X050" urn="urn:adsk.eagle:package:23629/2"
type="model" library_version="11">
<description>CAPACITOR
grid 2.5 mm, outline 2.5 x 5 mm</description>
<packageinstances>
<packageinstance name="C025-025X050"/>
</packageinstances>
</package3d>
<package3d name="C025-030X050" urn="urn:adsk.eagle:package:23631/1"
type="box" library_version="11">
<description>CAPACITOR
grid 2.5 mm, outline 3 x 5 mm</description>
<packageinstances>
<packageinstance name="C025-030X050"/>
</packageinstances>
</package3d>
<package3d name="C025-040X050" urn="urn:adsk.eagle:package:23634/1"
type="box" library_version="11">
<description>CAPACITOR
grid 2.5 mm, outline 4 x 5 mm</description>
<packageinstances>
<packageinstance name="C025-040X050"/>

</packageinstances>
</package3d>
<package3d name="C025-050X050" urn="urn:adsk.eagle:package:23633/1"
type="box" library_version="11">
<description>CAPACITOR
grid 2.5 mm, outline 5 x 5 mm</description>
<packageinstances>
<packageinstance name="C025-050X050"/>
</packageinstances>
</package3d>
<package3d name="C025-060X050" urn="urn:adsk.eagle:package:23632/1"
type="box" library_version="11">
<description>CAPACITOR
grid 2.5 mm, outline 6 x 5 mm</description>
<packageinstances>
<packageinstance name="C025-060X050"/>
</packageinstances>
</package3d>
<package3d name="C025_050-024X070"
urn="urn:adsk.eagle:package:23639/1" type="box" library_version="11">
<description>CAPACITOR
grid 2.5 mm + 5 mm, outline 2.4 x 7 mm</description>
<packageinstances>
<packageinstance name="C025_050-024X070"/>
</packageinstances>
</package3d>
<package3d name="C025_050-025X075"
urn="urn:adsk.eagle:package:23641/1" type="box" library_version="11">
<description>CAPACITOR
grid 2.5 + 5 mm, outline 2.5 x 7.5 mm</description>
<packageinstances>
<packageinstance name="C025_050-025X075"/>
</packageinstances>
</package3d>
<package3d name="C025_050-035X075"
urn="urn:adsk.eagle:package:23651/1" type="box" library_version="11">
<description>CAPACITOR
grid 2.5 + 5 mm, outline 3.5 x 7.5 mm</description>
<packageinstances>
<packageinstance name="C025_050-035X075"/>
</packageinstances>
</package3d>
<package3d name="C025_050-045X075"
urn="urn:adsk.eagle:package:23635/1" type="box" library_version="11">
<description>CAPACITOR
grid 2.5 + 5 mm, outline 4.5 x 7.5 mm</description>
<packageinstances>

<packageinstance name="C025_050-045X075"/>
</packageinstances>
</package3d>
<package3d name="C025_050-055X075"
urn="urn:adsk.eagle:package:23636/1" type="box" library_version="11">
<description>CAPACITOR
grid 2.5 + 5 mm, outline 5.5 x 7.5 mm</description>
<packageinstances>
<packageinstance name="C025_050-055X075"/>
</packageinstances>
</package3d>
<package3d name="C050-024X044" urn="urn:adsk.eagle:package:23643/1"
type="box" library_version="11">
<description>CAPACITOR
grid 5 mm, outline 2.4 x 4.4 mm</description>
<packageinstances>
<packageinstance name="C050-024X044"/>
</packageinstances>
</package3d>
<package3d name="C050-025X075" urn="urn:adsk.eagle:package:23637/1"
type="box" library_version="11">
<description>CAPACITOR
grid 5 mm, outline 2.5 x 7.5 mm</description>
<packageinstances>
<packageinstance name="C050-025X075"/>
</packageinstances>
</package3d>
<package3d name="C050-045X075" urn="urn:adsk.eagle:package:23638/1"
type="box" library_version="11">
<description>CAPACITOR
grid 5 mm, outline 4.5 x 7.5 mm</description>
<packageinstances>
<packageinstance name="C050-045X075"/>
</packageinstances>
</package3d>
<package3d name="C050-030X075" urn="urn:adsk.eagle:package:23640/1"
type="box" library_version="11">
<description>CAPACITOR
grid 5 mm, outline 3 x 7.5 mm</description>
<packageinstances>
<packageinstance name="C050-030X075"/>
</packageinstances>
</package3d>
<package3d name="C050-050X075" urn="urn:adsk.eagle:package:23665/1"
type="box" library_version="11">
<description>CAPACITOR
grid 5 mm, outline 5 x 7.5 mm</description>

<packageinstances>
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</packageinstances>
</package3d>
<package3d name="C050-055X075" urn="urn:adsk.eagle:package:23642/1"
type="box" library_version="11">
<description>CAPACITOR
grid 5 mm, outline 5.5 x 7.5 mm</description>
<packageinstances>
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</packageinstances>
</package3d>
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type="box" library_version="11">
<description>CAPACITOR
grid 5 mm, outline 7.5 x 7.5 mm</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="C050H075X075" urn="urn:adsk.eagle:package:23644/1"
type="box" library_version="11">
<description>CAPACITOR
Horizontal, grid 5 mm, outline 7.5 x 7.5 mm</description>
<packageinstances>
<packageinstance name="C050H075X075"/>
</packageinstances>
</package3d>
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type="box" library_version="11">
<description>CAPACITOR
grid 7.5 mm, outline 3.2 x 10.3 mm</description>
<packageinstances>
<packageinstance name="C075-032X103"/>
</packageinstances>
</package3d>
<package3d name="C075-042X103" urn="urn:adsk.eagle:package:23656/1"
type="box" library_version="11">
<description>CAPACITOR
grid 7.5 mm, outline 4.2 x 10.3 mm</description>
<packageinstances>
<packageinstance name="C075-042X103"/>
</packageinstances>
</package3d>
<package3d name="C075-052X106" urn="urn:adsk.eagle:package:23650/1"
type="box" library_version="11">
<description>CAPACITOR

grid 7.5 mm, outline 5.2 x 10.6 mm</description>
<packageinstances>
<packageinstance name="C075-052X106"/>
</packageinstances>
</package3d>
<package3d name="C102-043X133" urn="urn:adsk.eagle:package:23647/1"
type="box" library_version="11">
<description>CAPACITOR
grid 10.2 mm, outline 4.3 x 13.3 mm</description>
<packageinstances>
<packageinstance name="C102-043X133"/>
</packageinstances>
</package3d>
<package3d name="C102-054X133" urn="urn:adsk.eagle:package:23649/1"
type="box" library_version="11">
<description>CAPACITOR
grid 10.2 mm, outline 5.4 x 13.3 mm</description>
<packageinstances>
<packageinstance name="C102-054X133"/>
</packageinstances>
</package3d>
<package3d name="C102-064X133" urn="urn:adsk.eagle:package:23653/1"
type="box" library_version="11">
<description>CAPACITOR
grid 10.2 mm, outline 6.4 x 13.3 mm</description>
<packageinstances>
<packageinstance name="C102-064X133"/>
</packageinstances>
</package3d>
<package3d name="C102_152-062X184"
urn="urn:adsk.eagle:package:23652/1" type="box" library_version="11">
<description>CAPACITOR
grid 10.2 mm + 15.2 mm, outline 6.2 x 18.4 mm</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="C150-054X183" urn="urn:adsk.eagle:package:23669/1"
type="box" library_version="11">
<description>CAPACITOR
grid 15 mm, outline 5.4 x 18.3 mm</description>
<packageinstances>
<packageinstance name="C150-054X183"/>
</packageinstances>
</package3d>
<package3d name="C150-064X183" urn="urn:adsk.eagle:package:23654/1"
type="box" library_version="11">

<description>CAPACITOR
grid 15 mm, outline 6.4 x 18.3 mm</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="C150-072X183" urn="urn:adsk.eagle:package:23657/1"
type="box" library_version="11">
<description>CAPACITOR
grid 15 mm, outline 7.2 x 18.3 mm</description>
<packageinstances>
<packageinstance name="C150-072X183"/>
</packageinstances>
</package3d>
<package3d name="C150-084X183" urn="urn:adsk.eagle:package:23658/1"
type="box" library_version="11">
<description>CAPACITOR
grid 15 mm, outline 8.4 x 18.3 mm</description>
<packageinstances>
<packageinstance name="C150-084X183"/>
</packageinstances>
</package3d>
<package3d name="C150-091X182" urn="urn:adsk.eagle:package:23659/1"
type="box" library_version="11">
<description>CAPACITOR
grid 15 mm, outline 9.1 x 18.2 mm</description>
<packageinstances>
<packageinstance name="C150-091X182"/>
</packageinstances>
</package3d>
<package3d name="C225-062X268" urn="urn:adsk.eagle:package:23661/1"
type="box" library_version="11">
<description>CAPACITOR
grid 22.5 mm, outline 6.2 x 26.8 mm</description>
<packageinstances>
<packageinstance name="C225-062X268"/>
</packageinstances>
</package3d>
<package3d name="C225-074X268" urn="urn:adsk.eagle:package:23660/1"
type="box" library_version="11">
<description>CAPACITOR
grid 22.5 mm, outline 7.4 x 26.8 mm</description>
<packageinstances>
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</packageinstances>
</package3d>

<package3d name="C225-087X268" urn="urn:adsk.eagle:package:23662/1"
type="box" library_version="11">
<description>CAPACITOR
grid 22.5 mm, outline 8.7 x 26.8 mm</description>
<packageinstances>
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</package3d>
<package3d name="C225-108X268" urn="urn:adsk.eagle:package:23663/1"
type="box" library_version="11">
<description>CAPACITOR
grid 22.5 mm, outline 10.8 x 26.8 mm</description>
<packageinstances>
<packageinstance name="C225-108X268"/>
</packageinstances>
</package3d>
<package3d name="C225-113X268" urn="urn:adsk.eagle:package:23667/1"
type="box" library_version="11">
<description>CAPACITOR
grid 22.5 mm, outline 11.3 x 26.8 mm</description>
<packageinstances>
<packageinstance name="C225-113X268"/>
</packageinstances>
</package3d>
<package3d name="C275-093X316" urn="urn:adsk.eagle:package:23701/1"
type="box" library_version="11">
<description>CAPACITOR
grid 27.5 mm, outline 9.3 x 31.6 mm</description>
<packageinstances>
<packageinstance name="C275-093X316"/>
</packageinstances>
</package3d>
<package3d name="C275-113X316" urn="urn:adsk.eagle:package:23673/1"
type="box" library_version="11">
<description>CAPACITOR
grid 27.5 mm, outline 11.3 x 31.6 mm</description>
<packageinstances>
<packageinstance name="C275-113X316"/>
</packageinstances>
</package3d>
<package3d name="C275-134X316" urn="urn:adsk.eagle:package:23664/1"
type="box" library_version="11">
<description>CAPACITOR
grid 27.5 mm, outline 13.4 x 31.6 mm</description>
<packageinstances>
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</packageinstances>

</package3d>
<package3d name="C275-205X316" urn="urn:adsk.eagle:package:23666/1"
type="box" library_version="11">
<description>CAPACITOR
grid 27.5 mm, outline 20.5 x 31.6 mm</description>
<packageinstances>
<packageinstance name="C275-205X316"/>
</packageinstances>
</package3d>
<package3d name="C325-137X374" urn="urn:adsk.eagle:package:23672/1"
type="box" library_version="11">
<description>CAPACITOR
grid 32.5 mm, outline 13.7 x 37.4 mm</description>
<packageinstances>
<packageinstance name="C325-137X374"/>
</packageinstances>
</package3d>
<package3d name="C325-162X374" urn="urn:adsk.eagle:package:23670/1"
type="box" library_version="11">
<description>CAPACITOR
grid 32.5 mm, outline 16.2 x 37.4 mm</description>
<packageinstances>
<packageinstance name="C325-162X374"/>
</packageinstances>
</package3d>
<package3d name="C325-182X374" urn="urn:adsk.eagle:package:23668/1"
type="box" library_version="11">
<description>CAPACITOR
grid 32.5 mm, outline 18.2 x 37.4 mm</description>
<packageinstances>
<packageinstance name="C325-182X374"/>
</packageinstances>
</package3d>
<package3d name="C375-192X418" urn="urn:adsk.eagle:package:23674/1"
type="box" library_version="11">
<description>CAPACITOR
grid 37.5 mm, outline 19.2 x 41.8 mm</description>
<packageinstances>
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</package3d>
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type="box" library_version="11">
<description>CAPACITOR
grid 37.5 mm, outline 20.3 x 41.8 mm</description>
<packageinstances>
<packageinstance name="C375-203X418"/>

</packageinstances>
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<package3d name="C050-035X075" urn="urn:adsk.eagle:package:23677/1"
type="box" library_version="11">
<description>CAPACITOR
grid 5 mm, outline 3.5 x 7.5 mm</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="C375-155X418" urn="urn:adsk.eagle:package:23675/1"
type="box" library_version="11">
<description>CAPACITOR
grid 37.5 mm, outline 15.5 x 41.8 mm</description>
<packageinstances>
<packageinstance name="C375-155X418"/>
</packageinstances>
</package3d>
<package3d name="C075-063X106" urn="urn:adsk.eagle:package:23678/1"
type="box" library_version="11">
<description>CAPACITOR
grid 7.5 mm, outline 6.3 x 10.6 mm</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="C275-154X316" urn="urn:adsk.eagle:package:23685/1"
type="box" library_version="11">
<description>CAPACITOR
grid 27.5 mm, outline 15.4 x 31.6 mm</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="C275-173X316" urn="urn:adsk.eagle:package:23676/1"
type="box" library_version="11">
<description>CAPACITOR
grid 27.5 mm, outline 17.3 x 31.6 mm</description>
<packageinstances>
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type="model" library_version="11">
<description>Ceramic Chip Capacitor KEMET 0204 reflow solder
Metric Code Size 1005</description>
<packageinstances>

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</package3d>
<package3d name="C0603K" urn="urn:adsk.eagle:package:23680/2"
type="model" library_version="11">
<description>Ceramic Chip Capacitor KEMET 0603 reflow solder
Metric Code Size 1608</description>
<packageinstances>
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</package3d>
<package3d name="C0805K" urn="urn:adsk.eagle:package:23681/2"
type="model" library_version="11">
<description>Ceramic Chip Capacitor KEMET 0805 reflow solder
Metric Code Size 2012</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="C1206K" urn="urn:adsk.eagle:package:23682/2"
type="model" library_version="11">
<description>Ceramic Chip Capacitor KEMET 1206 reflow solder
Metric Code Size 3216</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="C1210K" urn="urn:adsk.eagle:package:23683/2"
type="model" library_version="11">
<description>Ceramic Chip Capacitor KEMET 1210 reflow solder
Metric Code Size 3225</description>
<packageinstances>
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</package3d>
<package3d name="C1812K" urn="urn:adsk.eagle:package:23686/2"
type="model" library_version="11">
<description>Ceramic Chip Capacitor KEMET 1812 reflow solder
Metric Code Size 4532</description>
<packageinstances>
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</package3d>
<package3d name="C1825K" urn="urn:adsk.eagle:package:23684/2"
type="model" library_version="11">
<description>Ceramic Chip Capacitor KEMET 1825 reflow solder
Metric Code Size 4564</description>

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</package3d>
<package3d name="C2220K" urn="urn:adsk.eagle:package:23687/2"
type="model" library_version="11">
<description>Ceramic Chip Capacitor KEMET 2220 reflow solderMetric Code Size
5650</description>
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</package3d>
<package3d name="C2225K" urn="urn:adsk.eagle:package:23692/2"
type="model" library_version="11">
<description>Ceramic Chip Capacitor KEMET 2225 reflow solderMetric Code Size
5664</description>
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</package3d>
<package3d name="HPC0201" urn="urn:adsk.eagle:package:26213/1"
type="box" library_version="11">
<description>
Source: http://www.vishay.com/docs/10129/hpc0201a.pdf</description>
<packageinstances>
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</packageinstances>
</package3d>
<package3d name="C0201" urn="urn:adsk.eagle:package:23690/2"
type="model" library_version="11">
<description>Source:
http://www.avxcorp.com/docs/catalogs/cx5r.pdf</description>
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</package3d>
<package3d name="C1808" urn="urn:adsk.eagle:package:23689/2"
type="model" library_version="11">
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Source: AVX .. aphvc.pdf</description>
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</package3d>
<package3d name="C3640" urn="urn:adsk.eagle:package:23693/2"
type="model" library_version="11">
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Source: AVX .. aphvc.pdf</description>
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</packageinstances>
</package3d>
<package3d name="C01005" urn="urn:adsk.eagle:package:23691/1"
type="box" library_version="11">
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</package3d>
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library_version="11">
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layer="94"/>
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layer="94"/>
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layer="94"/>
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layer="94"/>
<text x="-3.81" y="1.4986" size="1.778" layer="95">>NAME</text>
<text x="-3.81" y="-3.302" size="1.778" layer="96">>VALUE</text>
<pin name="2" x="5.08" y="0" visible="off" length="short" direction="pas"
swaplevel="1" rot="R180"/>
<pin name="1" x="-5.08" y="0" visible="off" length="short" direction="pas"
swaplevel="1"/>
</symbol>
<symbol name="C-EU" urn="urn:adsk.eagle:symbol:23120/1"
library_version="11">
<wire x1="0" y1="0" x2="0" y2="-0.508" width="0.1524" layer="94"/>
<wire x1="0" y1="-2.54" x2="0" y2="-2.032" width="0.1524" layer="94"/>
<text x="1.524" y="0.381" size="1.778" layer="95">>NAME</text>
<text x="1.524" y="-4.699" size="1.778" layer="96">>VALUE</text>
<rectangle x1="-2.032" y1="-2.032" x2="2.032" y2="-1.524" layer="94"/>
<rectangle x1="-2.032" y1="-1.016" x2="2.032" y2="-0.508" layer="94"/>
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swaplevel="1" rot="R270"/>
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swaplevel="1" rot="R90"/>
</symbol>
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<devicesets>

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prefix="R" uservalue="yes" library_version="11">
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<gates>
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</gates>
<devices>
<device name="R0402" package="R0402">
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<connect gate="G$1" pin="2" pad="2"/>
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</symbol>
</symbols>

<devicesets>
<deviceset name="B2B-XH-A" prefix="J">
<gates>
<gate name="G$1" symbol="CON-2" x="0" y="0"/>
</gates>
<devices>
<device name="" package="B2B-XH-A">
<connects>
<connect gate="G$1" pin="1" pad="1"/>
<connect gate="G$1" pin="2" pad="2"/>
</connects>
<package3dinstances>
<package3dinstance package3d_urn="urn:adsk.eagle:package:36056282/2"/>
</package3dinstances>
<technologies>
<technology name=""/>
</technologies>
</device>
</devices>
</deviceset>
</devicesets>
</library>
<library name="st-microelectronics" urn="urn:adsk.eagle:library:368">
<description>ST Microelectronics Devices<p>
Microcontrollers, I2C components, linear devices<p>
http://www.st.com<p>
<i>Include st-microelectronics-2.lbr,
st-microelectronics-3.lbr.<p></i>

<author>Created by librarian@cadsoft.de</author></description>
<packages>
<package name="DIL-08" urn="urn:adsk.eagle:footprint:26738/1"
library_version="6">
<description>Dual In Line Package</description>
<wire x1="5.08" y1="2.921" x2="-5.08" y2="2.921" width="0.1524"
layer="21"/>
<wire x1="-5.08" y1="-2.921" x2="5.08" y2="-2.921" width="0.1524"
layer="21"/>
<wire x1="5.08" y1="2.921" x2="5.08" y2="-2.921" width="0.1524"
layer="21"/>
<wire x1="-5.08" y1="2.921" x2="-5.08" y2="1.016" width="0.1524"
layer="21"/>
<wire x1="-5.08" y1="-2.921" x2="-5.08" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="-5.08" y1="1.016" x2="-5.08" y2="-1.016" width="0.1524"
layer="21" curve="-180"/>
<pad name="1" x="-3.81" y="-3.81" drill="0.8128" shape="long" rot="R90"/>

<pad name="2" x="-1.27" y="-3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="7" x="-1.27" y="3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="8" x="-3.81" y="3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="3" x="1.27" y="-3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="4" x="3.81" y="-3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="6" x="1.27" y="3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="5" x="3.81" y="3.81" drill="0.8128" shape="long" rot="R90"/>
<text x="-5.334" y="-2.921" size="1.27" layer="25" ratio="10"
rot="R90">>NAME</text>
<text x="-3.556" y="-0.635" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
</packages>
<packages3d>
<package3d name="DIL-08" urn="urn:adsk.eagle:package:26829/1" type="box"
library_version="6">
<description>Dual In Line Package</description>
<packageinstances>
<packageinstance name="DIL-08"/>
</packageinstances>
</package3d>
</packages3d>
<symbols>
<symbol name="NE555" urn="urn:adsk.eagle:symbol:26776/1"
library_version="6">
<wire x1="-7.62" y1="10.16" x2="-7.62" y2="-10.16" width="0.254"
layer="94"/>
<wire x1="-7.62" y1="-10.16" x2="7.62" y2="-10.16" width="0.254"
layer="94"/>
<wire x1="7.62" y1="-10.16" x2="7.62" y2="10.16" width="0.254"
layer="94"/>
<wire x1="7.62" y1="10.16" x2="-7.62" y2="10.16" width="0.254"
layer="94"/>
<text x="-7.62" y="11.43" size="1.778" layer="95">>NAME</text>
<text x="-7.62" y="-12.7" size="1.778" layer="96">>VALUE</text>
<pin name="TRE" x="-10.16" y="7.62" length="short" direction="in"/>
<pin name="OUT" x="10.16" y="0" length="short" direction="out"
rot="R180"/>
<pin name="DIS" x="-10.16" y="0" length="short" direction="in"/>
<pin name="TRI" x="-10.16" y="-7.62" length="short" direction="in"/>
<pin name="VCC+" x="10.16" y="7.62" length="short" direction="pwr"
rot="R180"/>
<pin name="GND" x="10.16" y="-7.62" length="short" direction="pwr"
rot="R180"/>
<pin name="CON" x="10.16" y="-5.08" length="short" direction="in"
rot="R180"/>

<pin name="/RES" x="10.16" y="5.08" length="short" direction="in"
rot="R180"/>
</symbol>
</symbols>
<devicesets>
<deviceset name="NE555" urn="urn:adsk.eagle:component:26889/2"
prefix="IC" library_version="6">
<description>General purpose bipolar Timer</description>
<gates>
<gate name="G$1" symbol="NE555" x="60.96" y="-27.94"/>
</gates>
<devices>
<device name="" package="DIL-08">
<connects>
<connect gate="G$1" pin="/RES" pad="4"/>
<connect gate="G$1" pin="CON" pad="5"/>
<connect gate="G$1" pin="DIS" pad="7"/>
<connect gate="G$1" pin="GND" pad="1"/>
<connect gate="G$1" pin="OUT" pad="3"/>
<connect gate="G$1" pin="TRE" pad="6"/>
<connect gate="G$1" pin="TRI" pad="2"/>
<connect gate="G$1" pin="VCC+" pad="8"/>
</connects>
<package3dinstances>
<package3dinstance package3d_urn="urn:adsk.eagle:package:26829/1"/>
</package3dinstances>
<technologies>
<technology name="">
<attribute name="MF" value="Arrow Electronics" constant="no"/>
<attribute name="MPN" value="NE555N" constant="no"/>
<attribute name="OC_FARNELL" value="1467742" constant="no"/>
<attribute name="OC_NEWARK" value="89K1486" constant="no"/>
<attribute name="POPULARITY" value="24" constant="no"/>
</technology>
</technologies>
</device>
</devices>
</deviceset>
</devicesets>
</library>
<library name="transistor-npn" urn="urn:adsk.eagle:library:398">
<description>NPN Transistors<p>
<author>Created by librarian@cadsoft.de</author></description>
<packages>
<package name="TO220" urn="urn:adsk.eagle:footprint:28453/1"
library_version="6">
<description>TO 220 horizontal</description>

<wire x1="-5.207" y1="-1.27" x2="5.207" y2="-1.27" width="0.127"
layer="21"/>
<wire x1="5.207" y1="14.605" x2="-5.207" y2="14.605" width="0.127"
layer="21"/>
<wire x1="5.207" y1="-1.27" x2="5.207" y2="11.176" width="0.127"
layer="21"/>
<wire x1="5.207" y1="11.176" x2="4.318" y2="11.176" width="0.127"
layer="21"/>
<wire x1="4.318" y1="11.176" x2="4.318" y2="12.7" width="0.127"
layer="21"/>
<wire x1="4.318" y1="12.7" x2="5.207" y2="12.7" width="0.127"
layer="21"/>
<wire x1="5.207" y1="12.7" x2="5.207" y2="14.605" width="0.127"
layer="21"/>
<wire x1="-5.207" y1="-1.27" x2="-5.207" y2="11.176" width="0.127"
layer="21"/>
<wire x1="-5.207" y1="11.176" x2="-4.318" y2="11.176" width="0.127"
layer="21"/>
<wire x1="-4.318" y1="11.176" x2="-4.318" y2="12.7" width="0.127"
layer="21"/>
<wire x1="-4.318" y1="12.7" x2="-5.207" y2="12.7" width="0.127"
layer="21"/>
<wire x1="-5.207" y1="12.7" x2="-5.207" y2="14.605" width="0.127"
layer="21"/>
<wire x1="-4.572" y1="-0.635" x2="4.572" y2="-0.635" width="0.0508"
layer="21"/>
<wire x1="4.572" y1="7.62" x2="4.572" y2="-0.635" width="0.0508"
layer="21"/>
<wire x1="4.572" y1="7.62" x2="-4.572" y2="7.62" width="0.0508"
layer="21"/>
<wire x1="-4.572" y1="-0.635" x2="-4.572" y2="7.62" width="0.0508"
layer="21"/>
<circle x="0" y="11.176" radius="1.8034" width="0.127" layer="21"/>
<circle x="0" y="11.176" radius="4.191" width="0" layer="42"/>
<circle x="0" y="11.176" radius="4.191" width="0" layer="43"/>
<pad name="1" x="-2.54" y="-6.35" drill="1.1176" shape="long" rot="R90"/>
<pad name="2" x="0" y="-6.35" drill="1.1176" shape="long" rot="R90"/>
<pad name="3" x="2.54" y="-6.35" drill="1.1176" shape="long" rot="R90"/>
<text x="-3.81" y="5.207" size="1.778" layer="25"
ratio="10">>NAME</text>
<text x="-3.937" y="2.54" size="1.778" layer="27"
ratio="10">>VALUE</text>
<text x="-4.445" y="7.874" size="0.9906" layer="21"
ratio="12">A17,5mm</text>
<text x="-3.175" y="0" size="1.27" layer="51" ratio="10">1</text>
<text x="-0.635" y="0" size="1.27" layer="51" ratio="10">2</text>
<text x="1.905" y="0" size="1.27" layer="51" ratio="10">3</text>

<rectangle x1="2.159" y1="-4.699" x2="2.921" y2="-4.064" layer="21"/>
<rectangle x1="-0.381" y1="-4.699" x2="0.381" y2="-4.064" layer="21"/>
<rectangle x1="-2.921" y1="-4.699" x2="-2.159" y2="-4.064" layer="21"/>
<rectangle x1="-3.175" y1="-4.064" x2="-1.905" y2="-1.27" layer="21"/>
<rectangle x1="-0.635" y1="-4.064" x2="0.635" y2="-1.27" layer="21"/>
<rectangle x1="1.905" y1="-4.064" x2="3.175" y2="-1.27" layer="21"/>
<rectangle x1="-2.921" y1="-6.604" x2="-2.159" y2="-4.699" layer="51"/>
<rectangle x1="-0.381" y1="-6.604" x2="0.381" y2="-4.699" layer="51"/>
<rectangle x1="2.159" y1="-6.604" x2="2.921" y2="-4.699" layer="51"/>
<hole x="0" y="11.176" drill="3.302"/>
</package>
</packages>
<packages3d>
<package3d name="TO220" urn="urn:adsk.eagle:package:28520/1" type="box"
library_version="6">
<description>TO 220 horizontal</description>
<packageinstances>
<packageinstance name="TO220"/>
</packageinstances>
</package3d>
</packages3d>
<symbols>
<symbol name="NPN" urn="urn:adsk.eagle:symbol:26256/2"
library_version="6">
<wire x1="2.54" y1="2.54" x2="0.508" y2="1.524" width="0.1524"
layer="94"/>
<wire x1="1.778" y1="-1.524" x2="2.54" y2="-2.54" width="0.1524"
layer="94"/>
<wire x1="2.54" y1="-2.54" x2="1.27" y2="-2.54" width="0.1524"
layer="94"/>
<wire x1="1.27" y1="-2.54" x2="1.778" y2="-1.524" width="0.1524"
layer="94"/>
<wire x1="1.54" y1="-2.04" x2="0.308" y2="-1.424" width="0.1524"
layer="94"/>
<wire x1="1.524" y1="-2.413" x2="2.286" y2="-2.413" width="0.254"
layer="94"/>
<wire x1="2.286" y1="-2.413" x2="1.778" y2="-1.778" width="0.254"
layer="94"/>
<wire x1="1.778" y1="-1.778" x2="1.524" y2="-2.286" width="0.254"
layer="94"/>
<wire x1="1.524" y1="-2.286" x2="1.905" y2="-2.286" width="0.254"
layer="94"/>
<wire x1="1.905" y1="-2.286" x2="1.778" y2="-2.032" width="0.254"
layer="94"/>
<text x="-10.16" y="7.62" size="1.778" layer="95">>NAME</text>
<text x="-10.16" y="5.08" size="1.778" layer="96">>VALUE</text>
<rectangle x1="-0.254" y1="-2.54" x2="0.508" y2="2.54" layer="94"/>

<pin name="B" x="-2.54" y="0" visible="off" length="short" direction="pas"
swaplevel="1"/>
<pin name="E" x="2.54" y="-5.08" visible="off" length="short" direction="pas"
swaplevel="3" rot="R90"/>
<pin name="C" x="2.54" y="5.08" visible="off" length="short" direction="pas"
swaplevel="2" rot="R270"/>
</symbol>
</symbols>
<devicesets>
<deviceset name="TIP31C*" urn="urn:adsk.eagle:component:29043/4"
prefix="Q" library_version="6">
<description>NPN Transistor</description>
<gates>
<gate name="G$1" symbol="NPN" x="0" y="0"/>
</gates>
<devices>
<device name="" package="TO220">
<connects>
<connect gate="G$1" pin="B" pad="1"/>
<connect gate="G$1" pin="C" pad="2"/>
<connect gate="G$1" pin="E" pad="3"/>
</connects>
<package3dinstances>
<package3dinstance package3d_urn="urn:adsk.eagle:package:28520/1"/>
</package3dinstances>
<technologies>
<technology name="">
<attribute name="POPULARITY" value="1" constant="no"/>
</technology>
</technologies>
</device>
</devices>
</deviceset>
</devicesets>
</library>
<library name="74ttl-din" urn="urn:adsk.eagle:library:84">
<description>TTL Devices with DIN Symbols<p>
CadSoft and the author do not warrant that this library is free from error
or will meet your specific requirements.<p>
<author>Created by Holger Bettenbühl,
hol.bet.@rhein-main.net</author></description>
<packages>
<package name="DIL14" urn="urn:adsk.eagle:footprint:16136/1"
library_version="6">
<description>Dual In Line Package</description>
<wire x1="8.89" y1="2.921" x2="-8.89" y2="2.921" width="0.1524"
layer="21"/>

<wire x1="-8.89" y1="-2.921" x2="8.89" y2="-2.921" width="0.1524"
layer="21"/>
<wire x1="8.89" y1="2.921" x2="8.89" y2="-2.921" width="0.1524"
layer="21"/>
<wire x1="-8.89" y1="2.921" x2="-8.89" y2="1.016" width="0.1524"
layer="21"/>
<wire x1="-8.89" y1="-2.921" x2="-8.89" y2="-1.016" width="0.1524"
layer="21"/>
<wire x1="-8.89" y1="1.016" x2="-8.89" y2="-1.016" width="0.1524"
layer="21" curve="-180"/>
<pad name="1" x="-7.62" y="-3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="2" x="-5.08" y="-3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="7" x="7.62" y="-3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="8" x="7.62" y="3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="3" x="-2.54" y="-3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="4" x="0" y="-3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="6" x="5.08" y="-3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="5" x="2.54" y="-3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="9" x="5.08" y="3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="10" x="2.54" y="3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="11" x="0" y="3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="12" x="-2.54" y="3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="13" x="-5.08" y="3.81" drill="0.8128" shape="long" rot="R90"/>
<pad name="14" x="-7.62" y="3.81" drill="0.8128" shape="long" rot="R90"/>
<text x="-9.271" y="-3.048" size="1.27" layer="25" ratio="10"
rot="R90">>NAME</text>
<text x="-6.731" y="-0.635" size="1.27" layer="27"
ratio="10">>VALUE</text>
</package>
</packages>
<packages3d>
<package3d name="DIL14" urn="urn:adsk.eagle:package:16407/2"
type="model" library_version="6">
<description>Dual In Line Package</description>
<packageinstances>
<packageinstance name="DIL14"/>
</packageinstances>
</package3d>
</packages3d>
<symbols>
<symbol name="+UB" urn="urn:adsk.eagle:symbol:1255/1"
library_version="6">
<circle x="0" y="-0.635" radius="0.635" width="0.1524" layer="94"/>
<text x="1.27" y="-1.27" size="1.524" layer="95">>NAME</text>
<pin name="+UB" x="0" y="2.54" visible="pad" length="short"
direction="pwr" rot="R270"/>
</symbol>

<symbol name="-UB" urn="urn:adsk.eagle:symbol:1256/1"
library_version="6">
<wire x1="0" y1="-0.635" x2="0" y2="0.635" width="0" layer="94"/>
<wire x1="0.635" y1="0" x2="-0.635" y2="0" width="0" layer="94"/>
<circle x="0" y="0.635" radius="0.635" width="0.1524" layer="94"/>
<text x="1.27" y="0" size="1.524" layer="95">>NAME</text>
<pin name="-UB" x="0" y="-2.54" visible="pad" length="short" direction="pwr"
rot="R90"/>
</symbol>
<symbol name="32" urn="urn:adsk.eagle:symbol:1273/1" library_version="6">
<wire x1="-5.08" y1="-5.08" x2="-5.08" y2="-2.54" width="0.254"
layer="94"/>
<wire x1="5.08" y1="5.08" x2="-5.08" y2="5.08" width="0.254" layer="94"/>
<wire x1="5.08" y1="5.08" x2="5.08" y2="0" width="0.254" layer="94"/>
<wire x1="-5.08" y1="-5.08" x2="5.08" y2="-5.08" width="0.254" layer="94"/>
<wire x1="5.08" y1="0" x2="7.62" y2="0" width="0.1524" layer="94"/>
<wire x1="-7.62" y1="2.54" x2="-5.08" y2="2.54" width="0.1524"
layer="94"/>
<wire x1="-5.08" y1="2.54" x2="-5.08" y2="5.08" width="0.254" layer="94"/>
<wire x1="-7.62" y1="-2.54" x2="-5.08" y2="-2.54" width="0.1524"
layer="94"/>
<wire x1="-5.08" y1="-2.54" x2="-5.08" y2="2.54" width="0.254" layer="94"/>
<wire x1="5.08" y1="0" x2="5.08" y2="-5.08" width="0.254" layer="94"/>
<wire x1="-1.27" y1="1.651" x2="0.127" y2="1.651" width="0.1524"
layer="94"/>
<text x="-5.08" y="5.715" size="2.032" layer="95">>NAME</text>
<text x="-5.08" y="-8.255" size="2.032" layer="96">>VALUE</text>
<text x="-1.27" y="1.905" size="2.032" layer="94">>1</text>
<pin name="A" x="-10.16" y="2.54" visible="pad" length="short"
direction="in" swaplevel="1"/>
<pin name="B" x="-10.16" y="-2.54" visible="pad" length="short"
direction="in" swaplevel="1"/>
<pin name="Y" x="10.16" y="0" visible="pad" length="short" direction="out"
rot="R180"/>
</symbol>
<symbol name="08" urn="urn:adsk.eagle:symbol:1262/1" library_version="6">
<wire x1="-5.08" y1="-5.08" x2="-5.08" y2="-2.54" width="0.254"
layer="94"/>
<wire x1="5.08" y1="5.08" x2="-5.08" y2="5.08" width="0.254" layer="94"/>
<wire x1="5.08" y1="5.08" x2="5.08" y2="0" width="0.254" layer="94"/>
<wire x1="-5.08" y1="-5.08" x2="5.08" y2="-5.08" width="0.254" layer="94"/>
<wire x1="-7.62" y1="2.54" x2="-5.08" y2="2.54" width="0.1524"
layer="94"/>
<wire x1="-7.62" y1="-2.54" x2="-5.08" y2="-2.54" width="0.1524"
layer="94"/>
<wire x1="-5.08" y1="-2.54" x2="-5.08" y2="2.54" width="0.254" layer="94"/>
<wire x1="5.08" y1="0" x2="7.62" y2="0" width="0.1524" layer="94"/>

<wire x1="5.08" y1="0" x2="5.08" y2="-5.08" width="0.254" layer="94"/>
<wire x1="-5.08" y1="2.54" x2="-5.08" y2="5.08" width="0.254" layer="94"/>
<text x="-5.08" y="5.715" size="2.032" layer="95">>NAME</text>
<text x="-5.08" y="-8.255" size="2.032" layer="96">>VALUE</text>
<text x="-0.635" y="1.905" size="2.032" layer="94">&</text>
<pin name="A" x="-10.16" y="2.54" visible="pad" length="short"
direction="in" swaplevel="1"/>
<pin name="B" x="-10.16" y="-2.54" visible="pad" length="short"
direction="in" swaplevel="1"/>
<pin name="Y" x="10.16" y="0" visible="pad" length="short" direction="out"
rot="R180"/>
</symbol>
</symbols>
<devicesets>
<deviceset name="74*32" urn="urn:adsk.eagle:component:1481/5" prefix="V"
library_version="6">
<description>Quad 2-input OR gate</description>
<gates>
<gate name="/+UB" symbol="+UB" x="30.48" y="5.08" addlevel="request"/>
<gate name="/-UB" symbol="-UB" x="30.48" y="0" addlevel="request"/>
<gate name="/1" symbol="32" x="15.24" y="-7.62" swaplevel="1"/>
<gate name="/2" symbol="32" x="15.24" y="10.16" swaplevel="1"/>
<gate name="/3" symbol="32" x="-7.62" y="-7.62" swaplevel="1"/>
<gate name="/4" symbol="32" x="-7.62" y="10.16" swaplevel="1"/>
</gates>
<devices>
<device name="N" package="DIL14">
<connects>
<connect gate="/+UB" pin="+UB" pad="14"/>
<connect gate="/-UB" pin="-UB" pad="7"/>
<connect gate="/1" pin="A" pad="1"/>
<connect gate="/1" pin="B" pad="2"/>
<connect gate="/1" pin="Y" pad="3"/>
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<description>Quad 2-input AND gate</description>
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<library name="linear" urn="urn:adsk.eagle:library:262">
<description>Linear Devices<p>
Operational amplifiers, comparators, voltage regulators, ADCs, DACs, etc.<p>
<author>Created by librarian@cadsoft.de</author></description>
<packages>
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<wire x1="-2.655" y1="-0.254" x2="-2.254" y2="-0.254" width="0.1524" layer="21"/>
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<wire x1="2.254" y1="-0.254" x2="2.655" y2="-0.254" width="0.1524" layer="21"/>
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<pad name="2" x="0" y="1.905" drill="0.8128" shape="octagon"/>
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<text x="2.921" y="-1.27" size="1.27" layer="27" ratio="10">>VALUE</text>
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layer="21"/>
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<circle x="0" y="4.826" radius="2.54" width="0" layer="42"/>
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<pad name="3" x="2.54" y="-10.16" drill="1.1176" shape="long" rot="R90"/>
<text x="-5.461" y="-10.922" size="1.778" layer="25" ratio="10"
rot="R90">>NAME</text>
<text x="7.366" y="-11.049" size="1.778" layer="27" ratio="10"
rot="R90">>VALUE</text>
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<rectangle x1="-0.635" y1="-10.414" x2="0.635" y2="-7.62" layer="21"/>
<rectangle x1="1.905" y1="-10.414" x2="3.175" y2="-7.62" layer="21"/>
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library_version="7">
<description>Metal Can Package</description>

<wire x1="-4.0386" y1="-3.5306" x2="-3.5052" y2="-2.9972" width="0.1524"
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layer="21"/>
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<circle x="0" y="0" radius="3.8608" width="0.0508" layer="21"/>
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<pad name="3" x="0" y="2.54" drill="0.8128" shape="octagon"/>
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ratio="10">>VALUE</text>
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<package name="TO252" urn="urn:adsk.eagle:footprint:16153/1"
library_version="7">
<description>SMALL OUTLINE TRANSISTOR<p>
TS-003</description>
<wire x1="3.2766" y1="3.8354" x2="3.277" y2="-2.159" width="0.2032"
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layer="21"/>
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layer="51"/>
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layer="51"/>
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<smd name="1" x="-2.28" y="-4.8" dx="1" dy="1.6" layer="1"/>
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layer="51"/>

<rectangle x1="1.8542" y1="-5.1562" x2="2.7178" y2="-2.2606" layer="51"/>
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<polygon width="0.1998" layer="51">
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library_version="7">
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ratio="10">>NAME</text>
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ratio="10">>VALUE</text>
<text x="-3.175" y="-3.175" size="1.27" layer="51" ratio="10">1</text>
<text x="-0.635" y="-3.175" size="1.27" layer="51" ratio="10">2</text>
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<text x="-7.62" y="5.715" size="1.778" layer="95">>NAME</text>

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<pin name="GND" x="0" y="-7.62" visible="pad" length="short"
direction="pas" rot="R90"/>
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<devicesets>
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library_version="7">
<description>Positive VOLTAGE REGULATOR<p>
Source:
http://cache.national.com/ds/LM/LM78L05.pdf
http://www.fairchildsemi.com/ds/LM/LM7805.pdf</description>
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</library>
<library name="diode" urn="urn:adsk.eagle:library:210">
<description>Diodes<p>
Based on the following sources:

Motorola : www.onsemi.com
Fairchild : www.fairchildsemi.com
Philips : www.semiconductors.com
Vishay : www.vishay.de

<author>Created by librarian@cadsoft.de</author></description>
<packages>
<package name="DO41-10" urn="urn:adsk.eagle:footprint:43094/1"
library_version="8">
<description><B>DIODE</B><p>
diameter 2.54 mm, horizontal, grid 10.16 mm</description>
<wire x1="2.032" y1="-1.27" x2="-2.032" y2="-1.27" width="0.1524"
layer="21"/>

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layer="21"/>
<wire x1="-2.032" y1="1.27" x2="2.032" y2="1.27" width="0.1524"
layer="21"/>
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layer="21"/>
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<pad name="C" x="-5.08" y="0" drill="1.1176"/>
<text x="-2.032" y="1.651" size="1.27" layer="25"
ratio="10">>NAME</text>
<text x="-2.032" y="-2.794" size="1.27" layer="27"
ratio="10">>VALUE</text>
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<rectangle x1="2.032" y1="-0.381" x2="3.937" y2="0.381" layer="21"/>
<rectangle x1="-3.937" y1="-0.381" x2="-2.032" y2="0.381" layer="21"/>
</package>
</packages>
<packages3d>
<package3d name="DO41-10" urn="urn:adsk.eagle:package:43336/1"
type="box" library_version="8">
<description>DIODE
diameter 2.54 mm, horizontal, grid 10.16 mm</description>
<packageinstances>
<packageinstance name="DO41-10"/>
</packageinstances>
</package3d>
</packages3d>
<symbols>
<symbol name="D" urn="urn:adsk.eagle:symbol:43091/2" library_version="8">
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<text x="2.54" y="0.4826" size="1.778" layer="95">>NAME</text>
<text x="2.54" y="-2.3114" size="1.778" layer="96">>VALUE</text>
<text x="-2.54" y="0" size="0.4064" layer="99" align="center">SpiceOrder 1</text>
<text x="2.54" y="0" size="0.4064" layer="99" align="center">SpiceOrder 2</text>
<pin name="A" x="-2.54" y="0" visible="off" length="point" direction="pas"/>
<pin name="C" x="2.54" y="0" visible="off" length="point" direction="pas" rot="R180"/>
</symbol>
</symbols>
<devicesets>
<deviceset name="1N4004" urn="urn:adsk.eagle:component:43462/3" prefix="D" library_version="8">
<description><B>DIODE</B><p>
general purpose rectifier, 1 A</description>
<gates>
<gate name="1" symbol="D" x="0" y="0"/>
</gates>
<devices>
<device name="" package="DO41-10">
<connects>
<connect gate="1" pin="A" pad="A"/>
<connect gate="1" pin="C" pad="C"/>
</connects>
<package3dinstances>
<package3dinstance package3d_urn="urn:adsk.eagle:package:43336/1"/>
</package3dinstances>
<technologies>
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</technologies>
</device>
</devices>
</deviceset>
</devicesets>
</library>
<library name="supply2" urn="urn:adsk.eagle:library:372">
<description>Supply Symbols<p>
GND, VCC, 0V, +5V, -5V, etc.<p>
Please keep in mind, that these devices are necessary for the automatic wiring of the supply signals.<p>
The pin name defined in the symbol is identical to the net which is to be wired automatically.<p>

In this library the device names are the same as the pin names of the symbols, therefore the correct signal names appear next to the supply symbols in the schematic.<p>
<author>Created by librarian@cadsoft.de</author></description>
<packages>
</packages>
<symbols>
<symbol name="GND" urn="urn:adsk.eagle:symbol:26990/1" library_version="2">
<wire x1="-1.27" y1="0" x2="1.27" y2="0" width="0.254" layer="94"/>
<wire x1="1.27" y1="0" x2="0" y2="-1.27" width="0.254" layer="94"/>
<wire x1="0" y1="-1.27" x2="-1.27" y2="0" width="0.254" layer="94"/>
<text x="-1.905" y="-3.175" size="1.778" layer="96">>VALUE</text>
<pin name="GND" x="0" y="2.54" visible="off" length="short" direction="sup" rot="R270"/>
</symbol>
</symbols>
<devicesets>
<deviceset name="GND" urn="urn:adsk.eagle:component:27037/1" prefix="SUPPLY" library_version="2">
<description>SUPPLY SYMBOL</description>
<gates>
<gate name="GND" symbol="GND" x="0" y="0"/>
</gates>
<devices>
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<technology name=""/>
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</libraries>
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</class>
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<parts>
<part name="R3" library="rcl" library_urn="urn:adsk.eagle:library:334" deviceset="R-EU_" device="0207/10" package3d_urn="urn:adsk.eagle:package:23491/2" value="10k"/>

<part name="R9" library="rcl" library_urn="urn:adsk.eagle:library:334"
deviceset="R-EU_" device="0207/10"
package3d_urn="urn:adsk.eagle:package:23491/2" value="10k"/>
<part name="R11" library="rcl" library_urn="urn:adsk.eagle:library:334"
deviceset="R-EU_" device="0207/10"
package3d_urn="urn:adsk.eagle:package:23491/2" value="10k"/>
<part name="R13" library="rcl" library_urn="urn:adsk.eagle:library:334"
deviceset="R-EU_" device="0207/10"
package3d_urn="urn:adsk.eagle:package:23491/2" value="10k"/>
<part name="J1" library="01-ITS Robotics" deviceset="B2B-XH-A" device=""
package3d_urn="urn:adsk.eagle:package:36056282/2"/>
<part name="J2" library="01-ITS Robotics" deviceset="B2B-XH-A" device=""
package3d_urn="urn:adsk.eagle:package:36056282/2"/>
<part name="J3" library="01-ITS Robotics" deviceset="B2B-XH-A" device=""
package3d_urn="urn:adsk.eagle:package:36056282/2"/>
<part name="J4" library="01-ITS Robotics" deviceset="B2B-XH-A" device=""
package3d_urn="urn:adsk.eagle:package:36056282/2"/>
<part name="J5" library="01-ITS Robotics" deviceset="B2B-XH-A" device=""
package3d_urn="urn:adsk.eagle:package:36056282/2"/>
<part name="IC1" library="st-microelectronics"
library_urn="urn:adsk.eagle:library:368" deviceset="NE555" device=""
package3d_urn="urn:adsk.eagle:package:26829/1"/>
<part name="IC2" library="st-microelectronics"
library_urn="urn:adsk.eagle:library:368" deviceset="NE555" device=""
package3d_urn="urn:adsk.eagle:package:26829/1"/>
<part name="C1" library="rcl" library_urn="urn:adsk.eagle:library:334"
deviceset="C-EU" device="025-024X044"
package3d_urn="urn:adsk.eagle:package:23630/1" value="100u"/>
<part name="C2" library="rcl" library_urn="urn:adsk.eagle:library:334"
deviceset="C-EU" device="025-024X044"
package3d_urn="urn:adsk.eagle:package:23630/1" value="100u"/>
<part name="R1" library="rcl" library_urn="urn:adsk.eagle:library:334"
deviceset="R-EU_" device="0207/10"
package3d_urn="urn:adsk.eagle:package:23491/2" value="2k"/>
<part name="R2" library="rcl" library_urn="urn:adsk.eagle:library:334"
deviceset="R-EU_" device="0207/10"
package3d_urn="urn:adsk.eagle:package:23491/2" value="2k"/>
<part name="R4" library="rcl" library_urn="urn:adsk.eagle:library:334"
deviceset="R-EU_" device="0207/10"
package3d_urn="urn:adsk.eagle:package:23491/2" value="10k"/>
<part name="R5" library="rcl" library_urn="urn:adsk.eagle:library:334"
deviceset="R-EU_" device="0207/10"
package3d_urn="urn:adsk.eagle:package:23491/2" value="10k"/>
<part name="J6" library="01-ITS Robotics" deviceset="B2B-XH-A" device=""
package3d_urn="urn:adsk.eagle:package:36056282/2"/>

<part name="Q8" library="transistor-npn"
library_urn="urn:adsk.eagle:library:398" deviceset="TIP31C*" device=""
package3d_urn="urn:adsk.eagle:package:28520/1"/>
<part name="Q9" library="transistor-npn"
library_urn="urn:adsk.eagle:library:398" deviceset="TIP31C*" device=""
package3d_urn="urn:adsk.eagle:package:28520/1"/>
<part name="Q10" library="transistor-npn"
library_urn="urn:adsk.eagle:library:398" deviceset="TIP31C*" device=""
package3d_urn="urn:adsk.eagle:package:28520/1"/>
<part name="Q13" library="transistor-npn"
library_urn="urn:adsk.eagle:library:398" deviceset="TIP31C*" device=""
package3d_urn="urn:adsk.eagle:package:28520/1"/>
<part name="Q15" library="transistor-npn"
library_urn="urn:adsk.eagle:library:398" deviceset="TIP31C*" device=""
package3d_urn="urn:adsk.eagle:package:28520/1"/>
<part name="Q16" library="transistor-npn"
library_urn="urn:adsk.eagle:library:398" deviceset="TIP31C*" device=""
package3d_urn="urn:adsk.eagle:package:28520/1"/>
<part name="V1" library="74ttl-din" library_urn="urn:adsk.eagle:library:84"
deviceset="74*32" device="N"
package3d_urn="urn:adsk.eagle:package:16407/2"/>
<part name="V2" library="74ttl-din" library_urn="urn:adsk.eagle:library:84"
deviceset="74*08" device="N"
package3d_urn="urn:adsk.eagle:package:16407/2"/>
<part name="V3" library="74ttl-din" library_urn="urn:adsk.eagle:library:84"
deviceset="74*08" device="N"
package3d_urn="urn:adsk.eagle:package:16407/2"/>
<part name="V4" library="74ttl-din" library_urn="urn:adsk.eagle:library:84"
deviceset="74*32" device="N"
package3d_urn="urn:adsk.eagle:package:16407/2"/>
<part name="C3" library="rcl" library_urn="urn:adsk.eagle:library:334"
deviceset="C-EU" device="025-024X044"
package3d_urn="urn:adsk.eagle:package:23630/1" value="100u"/>
<part name="IC4" library="linear" library_urn="urn:adsk.eagle:library:262"
deviceset="78*" device="TV"
package3d_urn="urn:adsk.eagle:package:16417/2" technology="05"/>
<part name="C5" library="rcl" library_urn="urn:adsk.eagle:library:334"
deviceset="C-EU" device="025-024X044"
package3d_urn="urn:adsk.eagle:package:23630/1" value="0.1p"/>
<part name="D1" library="diode" library_urn="urn:adsk.eagle:library:210"
deviceset="1N4004" device=""
package3d_urn="urn:adsk.eagle:package:43336/1"/>
<part name="D2" library="diode" library_urn="urn:adsk.eagle:library:210"
deviceset="1N4004" device=""
package3d_urn="urn:adsk.eagle:package:43336/1"/>
<part name="J7" library="01-ITS Robotics" deviceset="B2B-XH-A" device=""
package3d_urn="urn:adsk.eagle:package:36056282/2"/>

<part name="J8" library="01-ITS Robotics" deviceset="B2B-XH-A" device=""
package3d_urn="urn:adsk.eagle:package:36056282/2"/>
<part name="SUPPLY1" library="supply2"
library_urn="urn:adsk.eagle:library:372" deviceset="GND" device=""/>
</parts>
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rot="R270">
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<attribute name="VALUE" x="-45.982" y="87.85" size="1.778" layer="96"
rot="R270"/>
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<instance part="R9" gate="G$1" x="-25.9" y="84.18" smashed="yes"
rot="R90">
<attribute name="NAME" x="-27.3986" y="80.37" size="1.778" layer="95"
rot="R90"/>
<attribute name="VALUE" x="-22.598" y="80.37" size="1.778" layer="96"
rot="R90"/>
</instance>
<instance part="R11" gate="G$1" x="-45.88" y="110.26" smashed="yes"
rot="R90">
<attribute name="NAME" x="-47.3786" y="106.45" size="1.778" layer="95"
rot="R90"/>
<attribute name="VALUE" x="-42.578" y="106.45" size="1.778" layer="96"
rot="R90"/>
</instance>
<instance part="R13" gate="G$1" x="-25.92" y="111.34" smashed="yes"
rot="R90">
<attribute name="NAME" x="-27.4186" y="107.53" size="1.778" layer="95"
rot="R180"/>
<attribute name="VALUE" x="-22.618" y="107.53" size="1.778" layer="96"
rot="R90"/>
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<instance part="J1" gate="G$1" x="-86.4" y="90.92" smashed="yes">
<attribute name="NAME" x="-86.4" y="101.08" size="1.27" layer="95"
rot="MR180"/>
<attribute name="VALUE" x="-86.4" y="88.38" size="1.27" layer="96"/>
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<instance part="J2" gate="G$1" x="-86.4" y="75.16" smashed="yes">
<attribute name="NAME" x="-86.4" y="85.32" size="1.27" layer="95"
rot="MR180"/>
<attribute name="VALUE" x="-86.4" y="72.62" size="1.27" layer="96"/>
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<instance part="J3" gate="G$1" x="-85.8" y="59.16" smashed="yes">
<attribute name="NAME" x="-85.8" y="69.32" size="1.27" layer="95"
rot="MR180"/>
<attribute name="VALUE" x="-85.8" y="56.62" size="1.27" layer="96"/>
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<instance part="J4" gate="G$1" x="-85.8" y="43.92" smashed="yes">
<attribute name="NAME" x="-85.8" y="54.08" size="1.27" layer="95"
rot="MR180"/>
<attribute name="VALUE" x="-85.8" y="41.38" size="1.27" layer="96"/>
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<instance part="J5" gate="G$1" x="-85.8" y="28.68" smashed="yes">
<attribute name="NAME" x="-85.8" y="38.84" size="1.27" layer="95"
rot="MR180"/>
<attribute name="VALUE" x="-85.8" y="26.14" size="1.27" layer="96"/>
</instance>
<instance part="IC1" gate="G$1" x="3.9" y="42.7" smashed="yes">
<attribute name="NAME" x="-3.72" y="54.13" size="1.778" layer="95"/>
<attribute name="VALUE" x="-3.72" y="30" size="1.778" layer="96"/>
</instance>
<instance part="IC2" gate="G$1" x="58.48" y="44.16" smashed="yes">
<attribute name="NAME" x="50.86" y="55.59" size="1.778" layer="95"/>
<attribute name="VALUE" x="50.86" y="31.46" size="1.778" layer="96"/>
</instance>
<instance part="C1" gate="G$1" x="-8.32" y="21.84" smashed="yes">
<attribute name="NAME" x="-6.796" y="22.221" size="1.778" layer="95"/>
<attribute name="VALUE" x="-6.796" y="17.141" size="1.778" layer="96"/>
</instance>
<instance part="C2" gate="G$1" x="44.72" y="23.84" smashed="yes">
<attribute name="NAME" x="46.244" y="24.221" size="1.778" layer="95"/>
<attribute name="VALUE" x="46.244" y="19.141" size="1.778" layer="96"/>
</instance>
<instance part="R1" gate="G$1" x="21.68" y="60.48" smashed="yes"
rot="R90">
<attribute name="NAME" x="20.1814" y="56.67" size="1.778" layer="95"
rot="R90"/>
<attribute name="VALUE" x="24.982" y="56.67" size="1.778" layer="96"
rot="R90"/>
</instance>
<instance part="R2" gate="G$1" x="73.72" y="64.48" smashed="yes"
rot="R90">
<attribute name="NAME" x="72.2214" y="60.67" size="1.778" layer="95"
rot="R90"/>
<attribute name="VALUE" x="77.022" y="60.67" size="1.778" layer="96"
rot="R90"/>
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<instance part="R4" gate="G$1" x="31.46" y="60.48" smashed="yes"
rot="R90">

<attribute name="NAME" x="29.9614" y="56.67" size="1.778" layer="95"
rot="R90"/>
<attribute name="VALUE" x="34.762" y="56.67" size="1.778" layer="96"
rot="R90"/>
</instance>
<instance part="R5" gate="G$1" x="84.2" y="64.48" smashed="yes"
rot="R90">
<attribute name="NAME" x="82.7014" y="60.67" size="1.778" layer="95"
rot="R90"/>
<attribute name="VALUE" x="87.502" y="60.67" size="1.778" layer="96"
rot="R90"/>
</instance>
<instance part="J6" gate="G$1" x="-86.96" y="105.58" smashed="yes">
<attribute name="NAME" x="-86.96" y="115.74" size="1.27" layer="95"
rot="MR180"/>
<attribute name="VALUE" x="-86.96" y="103.04" size="1.27" layer="96"/>
</instance>
<instance part="Q8" gate="G$1" x="-48.54" y="124.14" smashed="yes">
<attribute name="NAME" x="-58.7" y="131.76" size="1.778" layer="95"/>
<attribute name="VALUE" x="-58.7" y="129.22" size="1.778" layer="96"/>
</instance>
<instance part="Q9" gate="G$1" x="28.92" y="42.62" smashed="yes">
<attribute name="NAME" x="18.76" y="50.24" size="1.778" layer="95"/>
<attribute name="VALUE" x="18.76" y="47.7" size="1.778" layer="96"/>
</instance>
<instance part="Q10" gate="G$1" x="82.2" y="44.62" smashed="yes">
<attribute name="NAME" x="72.04" y="52.24" size="1.778" layer="95"/>
<attribute name="VALUE" x="72.04" y="49.7" size="1.778" layer="96"/>
</instance>
<instance part="Q13" gate="G$1" x="-28.44" y="68.32" smashed="yes">
<attribute name="NAME" x="-38.6" y="75.94" size="1.778" layer="95"/>
<attribute name="VALUE" x="-38.6" y="73.4" size="1.778" layer="96"/>
</instance>
<instance part="Q15" gate="G$1" x="-28.46" y="125.58" smashed="yes">
<attribute name="NAME" x="-38.62" y="134.2" size="1.778" layer="95"/>
<attribute name="VALUE" x="-38.62" y="130.66" size="1.778" layer="96"/>
</instance>
<instance part="Q16" gate="G$1" x="-45.68" y="68.18" smashed="yes">
<attribute name="NAME" x="-55.84" y="75.8" size="1.778" layer="95"/>
<attribute name="VALUE" x="-55.84" y="73.26" size="1.778" layer="96"/>
</instance>
<instance part="V1" gate="/1" x="16" y="123" smashed="yes">
<attribute name="NAME" x="10.92" y="128.715" size="2.032" layer="95"/>
<attribute name="VALUE" x="10.92" y="114.745" size="2.032" layer="96"/>
</instance>
<instance part="V1" gate="/2" x="17" y="91" smashed="yes">
<attribute name="NAME" x="11.92" y="96.715" size="2.032" layer="95"/>

<attribute name="VALUE" x="11.92" y="82.745" size="2.032" layer="96"/>
</instance>
<instance part="V2" gate="/1" x="43" y="123" smashed="yes">
<attribute name="NAME" x="37.92" y="128.715" size="2.032" layer="95"/>
<attribute name="VALUE" x="37.92" y="114.745" size="2.032" layer="96"/>
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<instance part="V2" gate="/2" x="44" y="91" smashed="yes">
<attribute name="NAME" x="38.92" y="96.715" size="2.032" layer="95"/>
<attribute name="VALUE" x="38.92" y="82.745" size="2.032" layer="96"/>
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<instance part="V2" gate="/4" x="117" y="122" smashed="yes">
<attribute name="NAME" x="111.92" y="127.715" size="2.032" layer="95"/>
<attribute name="VALUE" x="111.92" y="113.745" size="2.032" layer="96"/>
</instance>
<instance part="V3" gate="/1" x="117" y="93" smashed="yes">
<attribute name="NAME" x="111.92" y="98.715" size="2.032" layer="95"/>
<attribute name="VALUE" x="111.92" y="84.745" size="2.032" layer="96"/>
</instance>
<instance part="V1" gate="/4" x="86" y="123" smashed="yes">
<attribute name="NAME" x="80.92" y="128.715" size="2.032" layer="95"/>
<attribute name="VALUE" x="80.92" y="114.745" size="2.032" layer="96"/>
</instance>
<instance part="V4" gate="/1" x="85" y="91" smashed="yes">
<attribute name="NAME" x="79.92" y="96.715" size="2.032" layer="95"/>
<attribute name="VALUE" x="79.92" y="82.745" size="2.032" layer="96"/>
</instance>
<instance part="V3" gate="/3" x="112" y="51" smashed="yes">
<attribute name="NAME" x="106.92" y="56.715" size="2.032" layer="95"/>
<attribute name="VALUE" x="106.92" y="42.745" size="2.032" layer="96"/>
</instance>
<instance part="V4" gate="/3" x="112" y="28" smashed="yes">
<attribute name="NAME" x="106.92" y="33.715" size="2.032" layer="95"/>
<attribute name="VALUE" x="106.92" y="19.745" size="2.032" layer="96"/>
</instance>
<instance part="V4" gate="/4" x="141" y="42" smashed="yes">
<attribute name="NAME" x="135.92" y="47.715" size="2.032" layer="95"/>
<attribute name="VALUE" x="135.92" y="33.745" size="2.032" layer="96"/>
</instance>
<instance part="C3" gate="G$1" x="15.68" y="153.84" smashed="yes">
<attribute name="NAME" x="17.204" y="154.221" size="1.778" layer="95"/>
<attribute name="VALUE" x="17.204" y="149.141" size="1.778" layer="96"/>
</instance>
<instance part="IC4" gate="A1" x="32" y="164" smashed="yes">
<attribute name="NAME" x="24.38" y="169.715" size="1.778" layer="95"/>
<attribute name="VALUE" x="24.38" y="167.175" size="1.778" layer="96"/>
</instance>
<instance part="C5" gate="G$1" x="50.68" y="152.84" smashed="yes">

<attribute name="NAME" x="52.204" y="153.221" size="1.778" layer="95"/>
<attribute name="VALUE" x="52.204" y="148.141" size="1.778" layer="96"/>
</instance>
<instance part="D1" gate="1" x="29" y="174" smashed="yes" rot="MR0">
<attribute name="NAME" x="26.46" y="174.4826" size="1.778" layer="95"
rot="MR0"/>
<attribute name="VALUE" x="26.46" y="171.6886" size="1.778" layer="96"
rot="MR0"/>
</instance>
<instance part="D2" gate="1" x="-7" y="164" smashed="yes">
<attribute name="NAME" x="-4.46" y="164.4826" size="1.778" layer="95"/>
<attribute name="VALUE" x="-4.46" y="161.6886" size="1.778" layer="96"/>
</instance>
<instance part="J7" gate="G$1" x="-22" y="150" smashed="yes">
<attribute name="NAME" x="-22" y="160.16" size="1.27" layer="95"
rot="MR180"/>
<attribute name="VALUE" x="-22" y="147.46" size="1.27" layer="96"/>
</instance>
<instance part="J8" gate="G$1" x="80" y="149" smashed="yes">
<attribute name="NAME" x="80" y="159.16" size="1.27" layer="95"
rot="MR180"/>
<attribute name="VALUE" x="80" y="146.46" size="1.27" layer="96"/>
</instance>
<instance part="SUPPLY1" gate="GND" x="-68.58" y="104.14"
smashed="yes">
<attribute name="VALUE" x="-70.485" y="100.965" size="1.778" layer="96"/>
</instance>
</instances>
<busses>
</busses>
<nets>
<net name="GND" class="0">

<pinref part="J5" gate="G$1" pin="2"/>
<wire x1="-78.18" y1="31.22" x2="-78.18" y2="31" width="0.1524"
layer="91"/>
<wire x1="-78.18" y1="31" x2="-70" y2="31" width="0.1524" layer="91"/>
<label x="-72" y="28" size="1.778" layer="95"/>

<pinref part="J7" gate="G$1" pin="2"/>
<wire x1="-14.38" y1="152.54" x2="-14.38" y2="153" width="0.1524"
layer="91"/>
<wire x1="-14.38" y1="153" x2="-9" y2="153" width="0.1524" layer="91"/>
<wire x1="-9" y1="153" x2="-9" y2="151" width="0.1524" layer="91"/>
<label x="-8" y="150" size="1.778" layer="95"/>

<pinref part="C3" gate="G$1" pin="2"/>
<wire x1="16" y1="144" x2="16" y2="148.76" width="0.1524" layer="91"/>
<wire x1="16" y1="148.76" x2="15.68" y2="148.76" width="0.1524"
layer="91"/>
<label x="17" y="146" size="1.778" layer="95"/>

<pinref part="IC4" gate="A1" pin="GND"/>
<wire x1="32" y1="156.38" x2="33" y2="156.38" width="0.1524"
layer="91"/>
<wire x1="33" y1="156.38" x2="33" y2="145" width="0.1524" layer="91"/>
<label x="34" y="146" size="1.778" layer="95"/>

<pinref part="C5" gate="G$1" pin="2"/>
<wire x1="50.68" y1="147.76" x2="50.68" y2="142" width="0.1524"
layer="91"/>
<wire x1="50.68" y1="142" x2="51" y2="142" width="0.1524" layer="91"/>
<label x="51" y="144" size="1.778" layer="95"/>

<pinref part="J8" gate="G$1" pin="2"/>
<wire x1="87.62" y1="151.54" x2="87.62" y2="151" width="0.1524"
layer="91"/>
<wire x1="87.62" y1="151" x2="92" y2="151" width="0.1524" layer="91"/>
<label x="90" y="151" size="1.778" layer="95"/>

<pinref part="R11" gate="G$1" pin="1"/>
<wire x1="-45.62" y1="102.74" x2="-45.88" y2="102.74" width="0.1524"
layer="91"/>
<wire x1="-45.88" y1="102.74" x2="-45.88" y2="105.18" width="0.1524"
layer="91"/>
<label x="-43.18" y="101.6" size="1.778" layer="95"/>

<pinref part="R13" gate="G$1" pin="1"/>
<wire x1="-25.92" y1="106.26" x2="-25.92" y2="102.72" width="0.1524"
layer="91"/>
<label x="-25.4" y="101.6" size="1.778" layer="95"/>

<pinref part="Q16" gate="G$1" pin="E"/>
<wire x1="-42.68" y1="60.48" x2="-43.14" y2="60.48" width="0.1524"
layer="91"/>

<wire x1="-43.14" y1="60.48" x2="-43.14" y2="63.1" width="0.1524"
layer="91"/>
<label x="-43.18" y="60.96" size="1.778" layer="95"/>

<pinref part="Q13" gate="G$1" pin="E"/>
<wire x1="-25.9" y1="63.24" x2="-25.9" y2="60.16" width="0.1524"
layer="91"/>
<label x="-25.4" y="60.96" size="1.778" layer="95"/>

<pinref part="J6" gate="G$1" pin="2"/>
<pinref part="SUPPLY1" gate="GND" pin="GND"/>
<wire x1="-79.34" y1="108.12" x2="-68.58" y2="108.12" width="0.1524"
layer="91"/>
<wire x1="-68.58" y1="108.12" x2="-68.58" y2="106.68" width="0.1524"
layer="91"/>
<label x="-73.66" y="106.68" size="1.778" layer="95"/>

<pinref part="J1" gate="G$1" pin="2"/>
<wire x1="-78.78" y1="93.46" x2="-71.12" y2="93.46" width="0.1524"
layer="91"/>
<wire x1="-71.12" y1="93.46" x2="-71.12" y2="93.98" width="0.1524"
layer="91"/>
<label x="-73.66" y="91.44" size="1.778" layer="95"/>

<pinref part="J2" gate="G$1" pin="2"/>
<wire x1="-78.78" y1="77.7" x2="-71.12" y2="77.7" width="0.1524"
layer="91"/>
<wire x1="-71.12" y1="77.7" x2="-71.12" y2="76.2" width="0.1524"
layer="91"/>
<label x="-73.66" y="76.2" size="1.778" layer="95"/>

<pinref part="J4" gate="G$1" pin="2"/>
<wire x1="-78.18" y1="46.46" x2="-71.12" y2="46.46" width="0.1524"
layer="91"/>
<wire x1="-71.12" y1="46.46" x2="-71.12" y2="45.72" width="0.1524"
layer="91"/>
<label x="-71.12" y="45.72" size="1.778" layer="95"/>

<pinref part="J3" gate="G$1" pin="2"/>
<wire x1="-78.18" y1="61.7" x2="-71.12" y2="61.7" width="0.1524"
layer="91"/>

<wire x1="-71.12" y1="61.7" x2="-71.12" y2="60.96" width="0.1524"
layer="91"/>
<label x="-73.66" y="58.42" size="1.778" layer="95"/>

</net>
<net name="VCC" class="0">

<pinref part="IC2" gate="G$1" pin="/RES"/>
<pinref part="IC2" gate="G$1" pin="VCC+"/>
<wire x1="68.64" y1="49.24" x2="68.64" y2="51.78" width="0.1524"
layer="91"/>
<wire x1="68.64" y1="51.78" x2="68.64" y2="69.56" width="0.1524"
layer="91"/>
<wire x1="68.64" y1="69.56" x2="73.72" y2="69.56" width="0.1524"
layer="91"/>
<junction x="68.64" y="51.78"/>
<pinref part="R2" gate="G$1" pin="2"/>
<pinref part="R5" gate="G$1" pin="2"/>
<junction x="73.72" y="69.56"/>
<wire x1="73.72" y1="69.56" x2="84.2" y2="69.56" width="0.1524"
layer="91"/>
<label x="68" y="70" size="1.778" layer="95"/>

<pinref part="IC1" gate="G$1" pin="VCC+"/>
<wire x1="14.06" y1="50.32" x2="14.06" y2="55.4" width="0.1524"
layer="91"/>
<pinref part="R1" gate="G$1" pin="2"/>
<pinref part="R4" gate="G$1" pin="2"/>
<wire x1="31.46" y1="65.56" x2="21.68" y2="65.56" width="0.1524"
layer="91"/>
<junction x="21.68" y="65.56"/>
<wire x1="21.68" y1="65.56" x2="14.06" y2="65.56" width="0.1524"
layer="91"/>
<wire x1="14.06" y1="65.56" x2="14.06" y2="50.32" width="0.1524"
layer="91"/>
<junction x="14.06" y="50.32"/>
<pinref part="IC1" gate="G$1" pin="/RES"/>
<wire x1="14.06" y1="47.78" x2="14.06" y2="50.32" width="0.1524"
layer="91"/>
<label x="14" y="66" size="1.778" layer="95"/>

<pinref part="J6" gate="G$1" pin="1"/>
<wire x1="-79.34" y1="110.66" x2="-72" y2="110.66" width="0.1524"
layer="91"/>
<wire x1="-72" y1="110.66" x2="-72" y2="111" width="0.1524" layer="91"/>

<label x="-74" y="111" size="1.778" layer="95"/>

<pinref part="Q8" gate="G$1" pin="C"/>
<wire x1="-46" y1="129.22" x2="-46" y2="132" width="0.1524" layer="91"/>
<wire x1="-46" y1="132" x2="-48" y2="132" width="0.1524" layer="91"/>
<label x="-48" y="133" size="1.778" layer="95"/>

<pinref part="R3" gate="G$1" pin="1"/>
<wire x1="-42.68" y1="89.12" x2="-48" y2="89.12" width="0.1524"
layer="91"/>
<wire x1="-48" y1="89.12" x2="-48" y2="89" width="0.1524" layer="91"/>
<label x="-48" y="90" size="1.778" layer="95"/>

<pinref part="R9" gate="G$1" pin="2"/>
<wire x1="-25.9" y1="89.26" x2="-25.9" y2="89" width="0.1524" layer="91"/>
<wire x1="-25.9" y1="89" x2="-30" y2="89" width="0.1524" layer="91"/>
<label x="-31" y="90" size="1.778" layer="95"/>

<pinref part="V2" gate="/1" pin="B"/>
<wire x1="32.84" y1="120.46" x2="32.84" y2="110" width="0.1524"
layer="91"/>
<wire x1="32.84" y1="110" x2="32" y2="110" width="0.1524" layer="91"/>
<label x="34" y="111" size="1.778" layer="95"/>

<pinref part="V2" gate="/4" pin="B"/>
<wire x1="106.84" y1="119.46" x2="106.84" y2="111" width="0.1524"
layer="91"/>
<wire x1="106.84" y1="111" x2="107" y2="111" width="0.1524" layer="91"/>
<label x="107" y="111" size="1.778" layer="95"/>

<pinref part="V3" gate="/1" pin="B"/>
<wire x1="106.84" y1="90.46" x2="107" y2="90.46" width="0.1524"
layer="91"/>
<wire x1="107" y1="90.46" x2="107" y2="78" width="0.1524" layer="91"/>
<label x="108" y="79" size="1.778" layer="95"/>

<pinref part="V2" gate="/2" pin="B"/>
<wire x1="33.84" y1="88.46" x2="33.84" y2="77" width="0.1524"
layer="91"/>
<wire x1="33.84" y1="77" x2="34" y2="77" width="0.1524" layer="91"/>

<label x="35" y="78" size="1.778" layer="95"/>

<pinref part="Q15" gate="G$1" pin="C"/>
<wire x1="-25.92" y1="130.66" x2="-25.92" y2="132" width="0.1524"
layer="91"/>
<wire x1="-25.92" y1="132" x2="-28" y2="132" width="0.1524" layer="91"/>
<label x="-28" y="134" size="1.778" layer="95"/>

<pinref part="J8" gate="G$1" pin="1"/>
<wire x1="87.62" y1="154.08" x2="87.62" y2="154" width="0.1524"
layer="91"/>
<wire x1="87.62" y1="154" x2="92" y2="154" width="0.1524" layer="91"/>
<label x="90" y="154" size="1.778" layer="95"/>

<pinref part="D1" gate="1" pin="A"/>
<wire x1="31.54" y1="174" x2="42" y2="174" width="0.1524" layer="91"/>
<wire x1="42" y1="174" x2="42" y2="164" width="0.1524" layer="91"/>
<pinref part="C5" gate="G$1" pin="1"/>
<wire x1="50.68" y1="155.38" x2="50.68" y2="164" width="0.1524"
layer="91"/>
<pinref part="IC4" gate="A1" pin="VO"/>
<wire x1="50.68" y1="164" x2="42.16" y2="164" width="0.1524"
layer="91"/>
<wire x1="42" y1="164" x2="42.16" y2="164" width="0.1524" layer="91"/>
<junction x="42.16" y="164"/>
<label x="51" y="164" size="1.778" layer="95"/>

</net>
<net name="T1" class="0">

<pinref part="R4" gate="G$1" pin="1"/>
<pinref part="Q9" gate="G$1" pin="C"/>
<wire x1="31.46" y1="47.7" x2="31.46" y2="55.4" width="0.1524"
layer="91"/>
<wire x1="31.46" y1="55.4" x2="38" y2="55.4" width="0.1524" layer="91"/>
<wire x1="38" y1="55.4" x2="38" y2="56" width="0.1524" layer="91"/>
<junction x="31.46" y="55.4"/>
<label x="38" y="57" size="1.778" layer="95"/>

</net>
<net name="N$3" class="0">

<pinref part="IC1" gate="G$1" pin="TRE"/>
<pinref part="IC1" gate="G$1" pin="DIS"/>

<wire x1="-6.26" y1="50.32" x2="-6.26" y2="42.7" width="0.1524"
layer="91"/>
<pinref part="R1" gate="G$1" pin="1"/>
<wire x1="21.68" y1="55.4" x2="-6.26" y2="55.4" width="0.1524"
layer="91"/>
<wire x1="-6.26" y1="55.4" x2="-6.26" y2="50.32" width="0.1524"
layer="91"/>
<junction x="-6.26" y="50.32"/>
<wire x1="-6.26" y1="42.7" x2="-6.26" y2="43" width="0.1524" layer="91"/>
<junction x="-6.26" y="42.7"/>
<pinref part="C1" gate="G$1" pin="1"/>
<wire x1="-6.26" y1="42.7" x2="-8.32" y2="42.7" width="0.1524"
layer="91"/>
<wire x1="-8.32" y1="42.7" x2="-8.32" y2="24.38" width="0.1524"
layer="91"/>

</net>
<net name="N$8" class="0">

<pinref part="R2" gate="G$1" pin="1"/>
<wire x1="73.72" y1="59.4" x2="48.32" y2="59.4" width="0.1524"
layer="91"/>
<pinref part="IC2" gate="G$1" pin="TRE"/>
<wire x1="48.32" y1="59.4" x2="48.32" y2="51.78" width="0.1524"
layer="91"/>
<pinref part="IC2" gate="G$1" pin="DIS"/>
<wire x1="48.32" y1="51.78" x2="48.32" y2="44.16" width="0.1524"
layer="91"/>
<junction x="48.32" y="51.78"/>
<junction x="48.32" y="44.16"/>
<pinref part="C2" gate="G$1" pin="1"/>
<wire x1="48.32" y1="44.16" x2="48.32" y2="44" width="0.1524"
layer="91"/>
<wire x1="48.32" y1="44" x2="45" y2="44" width="0.1524" layer="91"/>
<wire x1="45" y1="44" x2="45" y2="26.38" width="0.1524" layer="91"/>
<wire x1="45" y1="26.38" x2="44.72" y2="26.38" width="0.1524"
layer="91"/>

</net>
<net name="HB" class="0">

<pinref part="Q8" gate="G$1" pin="B"/>
<wire x1="-51.08" y1="124.14" x2="-55" y2="124.14" width="0.1524"
layer="91"/>
<wire x1="-55" y1="124.14" x2="-55" y2="123" width="0.1524" layer="91"/>
<label x="-55" y="125" size="1.778" layer="95"/>

<pinref part="J1" gate="G$1" pin="1"/>
<wire x1="-78.78" y1="96" x2="-71" y2="96" width="0.1524" layer="91"/>
<label x="-73" y="97" size="1.778" layer="95"/>

</net>
<net name="OUT_HB" class="0">

<pinref part="R11" gate="G$1" pin="2"/>
<pinref part="Q8" gate="G$1" pin="E"/>
<wire x1="-45.88" y1="115.34" x2="-46" y2="115.34" width="0.1524"
layer="91"/>
<wire x1="-46" y1="115.34" x2="-46" y2="117" width="0.1524" layer="91"/>
<wire x1="-46" y1="117" x2="-46" y2="119.06" width="0.1524" layer="91"/>
<wire x1="-41" y1="117" x2="-46" y2="117" width="0.1524" layer="91"/>
<junction x="-46" y="117"/>
<label x="-44" y="118" size="1.778" layer="95"/>

<pinref part="V1" gate="/1" pin="B"/>
<wire x1="5.84" y1="120.46" x2="2" y2="120.46" width="0.1524"
layer="91"/>
<wire x1="2" y1="120.46" x2="2" y2="120" width="0.1524" layer="91"/>
<label x="0" y="122" size="1.778" layer="95"/>

</net>
<net name="SIG_TH" class="0">

<pinref part="J4" gate="G$1" pin="1"/>
<wire x1="-78.18" y1="49" x2="-70" y2="49" width="0.1524" layer="91"/>
<label x="-71" y="50" size="1.778" layer="95"/>

<pinref part="Q13" gate="G$1" pin="B"/>
<wire x1="-30.98" y1="68.32" x2="-36" y2="68.32" width="0.1524"
layer="91"/>
<wire x1="-36" y1="68.32" x2="-36" y2="68" width="0.1524" layer="91"/>
<label x="-39" y="69" size="1.778" layer="95"/>

</net>
<net name="TH" class="0">

<pinref part="J2" gate="G$1" pin="1"/>
<wire x1="-78.78" y1="80.24" x2="-71" y2="80.24" width="0.1524"
layer="91"/>
<wire x1="-71" y1="80.24" x2="-71" y2="81" width="0.1524" layer="91"/>
<label x="-72" y="82" size="1.778" layer="95"/>

</net>
<net name="OUT_TH" class="0">

<pinref part="R12" gate="G$1" pin="2"/>
<pinref part="Q13" gate="G$1" pin="E"/>
<wire x1="-45.88" y1="68.32" x2="-46" y2="68.32" width="0.1524"
layer="91"/>
<wire x1="-46" y1="68.32" x2="-46" y2="70" width="0.1524" layer="91"/>
<wire x1="-46" y1="70" x2="-46" y2="71.06" width="0.1524" layer="91"/>
<wire x1="-41" y1="70" x2="-46" y2="70" width="0.1524" layer="91"/>
<junction x="-46" y="70"/>
<label x="-44" y="71" size="1.778" layer="95"/>

<pinref part="V2" gate="/1" pin="B"/>
<wire x1="5.84" y1="73.46" x2="2" y2="73.46" width="0.1524"
layer="91"/>
<wire x1="2" y1="73.46" x2="2" y2="73" width="0.1524" layer="91"/>
<label x="0" y="75" size="1.778" layer="95"/>

</net>
<net name="SIG_HB" class="0">

<pinref part="J3" gate="G$1" pin="1"/>
<wire x1="-78.18" y1="-2" x2="-70" y2="-2" width="0.1524" layer="91"/>
<label x="-71" y="-1" size="1.778" layer="95"/>

<pinref part="Q14" gate="G$1" pin="B"/>
<wire x1="-30.98" y1="21.32" x2="-36" y2="21.32" width="0.1524"
layer="91"/>
<wire x1="-36" y1="21.32" x2="-36" y2="21" width="0.1524" layer="91"/>
<label x="-39" y="22" size="1.778" layer="95"/>

</net>
<net name="N$1" class="0">

<pinref part="R13" gate="G$1" pin="2"/>
<pinref part="Q14" gate="G$1" pin="E"/>
<wire x1="-45.88" y1="21.32" x2="-46" y2="21.32" width="0.1524"
layer="91"/>
<wire x1="-46" y1="21.32" x2="-46" y2="23" width="0.1524" layer="91"/>
<wire x1="-46" y1="23" x2="-46" y2="24.06" width="0.1524" layer="91"/>
<wire x1="-41" y1="23" x2="-46" y2="23" width="0.1524" layer="91"/>
<junction x="-46" y="23"/>
<label x="-44" y="24" size="1.778" layer="95"/>

<pinref part="V3" gate="/1" pin="B"/>
<wire x1="5.84" y1="26.46" x2="2" y2="26.46" width="0.1524"
layer="91"/>
<wire x1="2" y1="26.46" x2="2" y2="26" width="0.1524" layer="91"/>
<label x="0" y="28" size="1.778" layer="95"/>

</net>
</eagle>
</drawing>
</eagle>

<pinref part="Q15" gate="G$1" pin="B"/>
<wire x1="-31" y1="125.58" x2="-35" y2="125.58" width="0.1524"
layer="91"/>
<wire x1="-35" y1="125.58" x2="-35" y2="126" width="0.1524" layer="91"/>
<label x="-35" y="127" size="1.778" layer="95"/>

</net>
<net name="SIG_HB" class="0">

<pinref part="J3" gate="G$1" pin="1"/>
<wire x1="-78.18" y1="64.24" x2="-70" y2="64.24" width="0.1524"
layer="91"/>
<wire x1="-70" y1="64.24" x2="-70" y2="64" width="0.1524" layer="91"/>
<label x="-72" y="65" size="1.778" layer="95"/>

<pinref part="Q16" gate="G$1" pin="B"/>
<wire x1="-48.22" y1="68.18" x2="-48.22" y2="68" width="0.1524"
layer="91"/>
<wire x1="-48.22" y1="68" x2="-54" y2="68" width="0.1524" layer="91"/>
<label x="-57" y="69" size="1.778" layer="95"/>

</net>
<net name="OUT_TH" class="0">

<pinref part="Q15" gate="G$1" pin="E"/>
<wire x1="-25.92" y1="120.5" x2="-26" y2="120.5" width="0.1524"
layer="91"/>
<wire x1="-26" y1="120.5" x2="-26" y2="118" width="0.1524" layer="91"/>
<pinref part="R13" gate="G$1" pin="2"/>
<wire x1="-26" y1="118" x2="-26" y2="117" width="0.1524" layer="91"/>
<wire x1="-26" y1="117" x2="-25.92" y2="117" width="0.1524" layer="91"/>
<wire x1="-25.92" y1="117" x2="-25.92" y2="116.42" width="0.1524"
layer="91"/>
<wire x1="-21" y1="118" x2="-26" y2="118" width="0.1524" layer="91"/>
<junction x="-26" y="118"/>
<label x="-25" y="119" size="1.778" layer="95"/>

<pinref part="V1" gate="/2" pin="B"/>
<wire x1="6.84" y1="88.46" x2="6.84" y2="88" width="0.1524" layer="91"/>
<wire x1="6.84" y1="88" x2="1" y2="88" width="0.1524" layer="91"/>
<label x="0" y="90" size="1.778" layer="95"/>

</net>

<net name="OUT_S_TH" class="0">

<pinref part="Q13" gate="G$1" pin="C"/>
<pinref part="R9" gate="G$1" pin="1"/>
<wire x1="-25.9" y1="73.4" x2="-25.9" y2="79.1" width="0.1524"
layer="91"/>
<wire x1="-25.9" y1="76" x2="-25.9" y2="79.1" width="0.1524" layer="91"/>
<wire x1="-25.9" y1="79.1" x2="-25.9" y2="79" width="0.1524" layer="91"/>
<wire x1="-25.9" y1="79" x2="-19" y2="79" width="0.1524" layer="91"/>
<junction x="-25.9" y="79.1"/>
<label x="-21" y="80" size="1.778" layer="95"/>

<pinref part="IC2" gate="G$1" pin="TRI"/>
<wire x1="48.32" y1="36.54" x2="40" y2="36.54" width="0.1524"
layer="91"/>
<wire x1="40" y1="36.54" x2="40" y2="37" width="0.1524" layer="91"/>
<label x="37" y="39" size="1.778" layer="95"/>

<pinref part="V4" gate="/1" pin="B"/>
<wire x1="74.84" y1="88.46" x2="74.84" y2="88" width="0.1524"
layer="91"/>
<wire x1="74.84" y1="88" x2="69" y2="88" width="0.1524" layer="91"/>
<label x="64" y="90" size="1.778" layer="95"/>

</net>
<net name="OUT_S_HB" class="0">

<pinref part="R3" gate="G$1" pin="2"/>
<pinref part="Q16" gate="G$1" pin="C"/>
<wire x1="-42.68" y1="78.96" x2="-42.68" y2="73.26" width="0.1524"
layer="91"/>
<wire x1="-42.68" y1="73.26" x2="-43.14" y2="73.26" width="0.1524"
layer="91"/>
<wire x1="-42.68" y1="78.96" x2="-42.68" y2="79" width="0.1524"
layer="91"/>
<wire x1="-42.68" y1="79" x2="-38" y2="79" width="0.1524" layer="91"/>
<junction x="-42.68" y="78.96"/>
<label x="-42" y="80" size="1.778" layer="95"/>

<pinref part="IC1" gate="G$1" pin="TRI"/>
<wire x1="-6.26" y1="35.08" x2="-6.26" y2="35" width="0.1524" layer="91"/>
<wire x1="-6.26" y1="35" x2="-10" y2="35" width="0.1524" layer="91"/>
<label x="-17" y="37" size="1.778" layer="95"/>

<pinref part="V1" gate="/4" pin="B"/>
<wire x1="75.84" y1="120.46" x2="70" y2="120.46" width="0.1524"
layer="91"/>
<wire x1="70" y1="120.46" x2="70" y2="120" width="0.1524" layer="91"/>
<label x="65" y="122" size="1.778" layer="95"/>

</net>
<net name="N$7" class="0">

<pinref part="Q9" gate="G$1" pin="B"/>
<pinref part="IC1" gate="G$1" pin="OUT"/>
<wire x1="26.38" y1="42.62" x2="26.38" y2="42.7" width="0.1524"
layer="91"/>
<wire x1="26.38" y1="42.7" x2="14.06" y2="42.7" width="0.1524"
layer="91"/>

</net>
<net name="N$1" class="0">

<pinref part="IC2" gate="G$1" pin="OUT"/>
<pinref part="Q10" gate="G$1" pin="B"/>
<wire x1="68.64" y1="44.16" x2="79.66" y2="44.16" width="0.1524"
layer="91"/>
<wire x1="79.66" y1="44.16" x2="79.66" y2="44.62" width="0.1524"
layer="91"/>

</net>
<net name="T2" class="0">

<pinref part="R5" gate="G$1" pin="1"/>
<pinref part="Q10" gate="G$1" pin="C"/>
<wire x1="84.2" y1="59.4" x2="84.2" y2="49.7" width="0.1524" layer="91"/>
<wire x1="84.2" y1="49.7" x2="84.74" y2="49.7" width="0.1524"
layer="91"/>
<wire x1="84.2" y1="59.4" x2="91" y2="59.4" width="0.1524" layer="91"/>
<wire x1="91" y1="59.4" x2="91" y2="60" width="0.1524" layer="91"/>
<junction x="84.2" y="59.4"/>
<label x="91" y="61" size="1.778" layer="95"/>

</net>
<net name="N$2" class="0">

<pinref part="V2" gate="/1" pin="A"/>
<pinref part="V1" gate="/1" pin="Y"/>
<wire x1="32.84" y1="125.54" x2="26.16" y2="125.54" width="0.1524"
layer="91"/>

</net>

</net>

<wire x1="26.16" y1="125.54" x2="26.16" y2="123" width="0.1524"
layer="91"/>

</net>
<net name="N$4" class="0">

<pinref part="V2" gate="/4" pin="A"/>
<wire x1="106.84" y1="124.54" x2="106.84" y2="126" width="0.1524"
layer="91"/>
<pinref part="V1" gate="/4" pin="Y"/>
<wire x1="106.84" y1="126" x2="96.16" y2="126" width="0.1524"
layer="91"/>
<wire x1="96.16" y1="126" x2="96.16" y2="123" width="0.1524"
layer="91"/>

</net>
<net name="N$5" class="0">

<pinref part="V2" gate="/2" pin="A"/>
<pinref part="V1" gate="/2" pin="Y"/>
<wire x1="33.84" y1="93.54" x2="27.16" y2="93.54" width="0.1524"
layer="91"/>
<wire x1="27.16" y1="93.54" x2="27.16" y2="91" width="0.1524"
layer="91"/>

</net>
<net name="N$6" class="0">

<pinref part="V3" gate="/1" pin="A"/>
<pinref part="V4" gate="/1" pin="Y"/>
<wire x1="106.84" y1="95.54" x2="95.16" y2="95.54" width="0.1524"
layer="91"/>
<wire x1="95.16" y1="95.54" x2="95.16" y2="91" width="0.1524"
layer="91"/>

</net>
<net name="L_HB" class="0">

<pinref part="V2" gate="/1" pin="Y"/>
<wire x1="53.16" y1="123" x2="53.16" y2="133" width="0.1524"
layer="91"/>
<wire x1="53.16" y1="133" x2="6" y2="133" width="0.1524" layer="91"/>
<wire x1="6" y1="133" x2="6" y2="125.54" width="0.1524" layer="91"/>
<pinref part="V1" gate="/1" pin="A"/>
<wire x1="6" y1="125.54" x2="5.84" y2="125.54" width="0.1524"
layer="91"/>
<label x="55" y="130" size="1.778" layer="95"/>

<pinref part="V3" gate="/3" pin="A"/>
<wire x1="101.84" y1="53.54" x2="101.84" y2="53" width="0.1524"
layer="91"/>
<wire x1="101.84" y1="53" x2="98" y2="53" width="0.1524" layer="91"/>
<label x="98" y="56" size="1.778" layer="95"/>

</net>
<net name="L_TH" class="0">

<pinref part="V2" gate="/2" pin="Y"/>
<wire x1="54.16" y1="91" x2="54" y2="91" width="0.1524" layer="91"/>
<wire x1="54" y1="91" x2="54" y2="100" width="0.1524" layer="91"/>
<pinref part="V1" gate="/2" pin="A"/>
<wire x1="54" y1="100" x2="6.84" y2="100" width="0.1524" layer="91"/>
<wire x1="6.84" y1="100" x2="6.84" y2="93.54" width="0.1524" layer="91"/>
<label x="56" y="98" size="1.778" layer="95"/>

<pinref part="V3" gate="/3" pin="B"/>
<wire x1="101.84" y1="48.46" x2="101.84" y2="48" width="0.1524"
layer="91"/>
<wire x1="101.84" y1="48" x2="98" y2="48" width="0.1524" layer="91"/>
<label x="96" y="49" size="1.778" layer="95"/>

</net>
<net name="L_S_TH" class="0">

<pinref part="V3" gate="/1" pin="Y"/>
<wire x1="127.16" y1="93" x2="128" y2="93" width="0.1524" layer="91"/>
<wire x1="128" y1="93" x2="128" y2="102" width="0.1524" layer="91"/>
<pinref part="V4" gate="/1" pin="A"/>
<wire x1="128" y1="102" x2="74.84" y2="102" width="0.1524" layer="91"/>
<wire x1="74.84" y1="102" x2="74.84" y2="93.54" width="0.1524"
layer="91"/>
<label x="130" y="104" size="1.778" layer="95"/>

<pinref part="V4" gate="/3" pin="B"/>
<wire x1="101.84" y1="25.46" x2="96" y2="25.46" width="0.1524"
layer="91"/>
<wire x1="96" y1="25.46" x2="96" y2="25" width="0.1524" layer="91"/>
<label x="96" y="27" size="1.778" layer="95"/>

</net>
<net name="L_S_HB" class="0">

<pinref part="V2" gate="/4" pin="Y"/>
<wire x1="127.16" y1="122" x2="127" y2="122" width="0.1524" layer="91"/>
<wire x1="127" y1="122" x2="127" y2="133" width="0.1524" layer="91"/>
<wire x1="127" y1="133" x2="75.84" y2="133" width="0.1524" layer="91"/>
<pinref part="V1" gate="/4" pin="A"/>
<wire x1="75.84" y1="133" x2="75.84" y2="125.54" width="0.1524"
layer="91"/>
<label x="130" y="133" size="1.778" layer="95"/>

<pinref part="V4" gate="/3" pin="A"/>
<wire x1="101.84" y1="30.54" x2="101.84" y2="30" width="0.1524"
layer="91"/>
<wire x1="101.84" y1="30" x2="96" y2="30" width="0.1524" layer="91"/>
<label x="96" y="32" size="1.778" layer="95"/>

</net>
<net name="N$18" class="0">

<pinref part="V4" gate="/4" pin="B"/>
<wire x1="130.84" y1="39.46" x2="130.84" y2="28" width="0.1524"
layer="91"/>
<wire x1="130.84" y1="28" x2="122.16" y2="28" width="0.1524"
layer="91"/>
<pinref part="V4" gate="/3" pin="Y"/>
<wire x1="122.16" y1="28" x2="122" y2="28" width="0.1524" layer="91"/>
<junction x="122.16" y="28"/>

</net>
<net name="N$10" class="0">

<pinref part="V3" gate="/3" pin="Y"/>
<pinref part="V4" gate="/4" pin="A"/>
<wire x1="122.16" y1="51" x2="122.16" y2="44.54" width="0.1524"
layer="91"/>
<wire x1="122.16" y1="44.54" x2="130.84" y2="44.54" width="0.1524"
layer="91"/>

</net>
<net name="OUT_BSPD" class="0">

<pinref part="V4" gate="/4" pin="Y"/>
<wire x1="151.16" y1="42" x2="156" y2="42" width="0.1524" layer="91"/>
<label x="152" y="45" size="1.778" layer="95"/>

<pinref part="J5" gate="G$1" pin="1"/>
<wire x1="-78.18" y1="33.76" x2="-70" y2="33.76" width="0.1524" layer="91"/>
<wire x1="-70" y1="33.76" x2="-70" y2="34" width="0.1524" layer="91"/>
<label x="-75" y="35" size="1.778" layer="95"/>

</net>
<net name="N$16" class="0">

<pinref part="D1" gate="1" pin="C"/>
<wire x1="26.46" y1="174" x2="22" y2="174" width="0.1524" layer="91"/>
<wire x1="22" y1="174" x2="22" y2="164" width="0.1524" layer="91"/>
<pinref part="IC4" gate="A1" pin="VI"/>
<wire x1="22" y1="164" x2="21.84" y2="164" width="0.1524" layer="91"/>
<pinref part="D2" gate="1" pin="C"/>
<wire x1="-4.46" y1="164" x2="15" y2="164" width="0.1524" layer="91"/>
<junction x="21.84" y="164"/>
<pinref part="C3" gate="G$1" pin="1"/>
<wire x1="15" y1="164" x2="21.84" y2="164" width="0.1524" layer="91"/>
<wire x1="15.68" y1="156.38" x2="15" y2="156.38" width="0.1524" layer="91"/>
<wire x1="15" y1="156.38" x2="15" y2="164" width="0.1524" layer="91"/>
<junction x="15" y="164"/>

</net>
<net name="N$20" class="0">

<pinref part="J7" gate="G$1" pin="1"/>
<wire x1="-14.38" y1="155.08" x2="-10" y2="155.08" width="0.1524" layer="91"/>
<wire x1="-10" y1="155.08" x2="-10" y2="164" width="0.1524" layer="91"/>
<pinref part="D2" gate="1" pin="A"/>
<wire x1="-10" y1="164" x2="-9.54" y2="164" width="0.1524" layer="91"/>

</net>
<net name="N$14" class="0">

<pinref part="IC2" gate="G$1" pin="GND"/>
<wire x1="69" y1="14.54" x2="69" y2="36.54" width="0.1524" layer="91"/>
<wire x1="69" y1="36.54" x2="68.64" y2="36.54" width="0.1524" layer="91"/>
<pinref part="C2" gate="G$1" pin="2"/>
<wire x1="44.72" y1="18.76" x2="44.72" y2="14.54" width="0.1524" layer="91"/>
<wire x1="44.72" y1="14.54" x2="69" y2="14.54" width="0.1524" layer="91"/>
<junction x="69" y="14.54"/>

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</eagle>

<pinref part="Q10" gate="G$1" pin="E"/>
<wire x1="84.74" y1="39.54" x2="84.74" y2="14.54" width="0.1524"
layer="91"/>
<wire x1="84.74" y1="14.54" x2="69" y2="14.54" width="0.1524"
layer="91"/>

</net>
<net name="N$15" class="0">

<pinref part="IC1" gate="G$1" pin="GND"/>
<wire x1="14.06" y1="35.08" x2="14.06" y2="12.54" width="0.1524"
layer="91"/>
<wire x1="14.06" y1="12.54" x2="14" y2="12.54" width="0.1524"
layer="91"/>
<wire x1="20.68" y1="12.54" x2="14" y2="12.54" width="0.1524"
layer="91"/>
<junction x="14" y="12.54"/>
<pinref part="Q9" gate="G$1" pin="E"/>
<wire x1="31.46" y1="37.54" x2="31.46" y2="12.54" width="0.1524"
layer="91"/>
<wire x1="31.46" y1="12.54" x2="14" y2="12.54" width="0.1524"
layer="91"/>
<pinref part="C1" gate="G$1" pin="2"/>
<wire x1="-8.32" y1="16.76" x2="-8" y2="16.76" width="0.1524" layer="91"/>
<wire x1="-8" y1="16.76" x2="-8" y2="12.54" width="0.1524" layer="91"/>
<wire x1="-8" y1="12.54" x2="14" y2="12.54" width="0.1524" layer="91"/>

</net>
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</schematic>
</drawing>
<compatibility>
<note version="8.2" severity="warning">
Since Version 8.2, EAGLE supports online libraries. The ids
of those online libraries will not be understood (or retained)
with this version.
</note>
<note version="8.3" severity="warning">
Since Version 8.3, EAGLE supports URNs for individual library
assets (packages, symbols, and devices). The URNs of those assets
will not be understood (or retained) with this version.
</note>
<note version="8.3" severity="warning">
Since Version 8.3, EAGLE supports the association of 3D packages
with devices in libraries, schematics, and board files. Those 3D

packages will not be understood (or retained) with this version.
</note>
</compatibility>
</eagle>